DENON

DVD HOME ENTERTAINMENT SYSTEM

S-102

Owner's Manual

Manuel de l'Utilisateur

Manual del usuario

❑ SAFETY PRECAUTIONS

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION:
TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING:
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

❑ LASER SAFETY
CLASS Ⅱ LASER PRODUCT

CAUTION:
VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN.
DO NOT STARE INTO BEAM.
LOCATION: INSIDE, NEAR THE DVD DRIVE MECHANISM.

CAUTION:
USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT
IN HAZARDOUS RADIATION EXPOSURE.
THIS PRODUCT SHOULD NOT BE ADJUSTED OR REPAIRED BY ANYONE EXCEPT PROPERLY QUALIFIED SERVICE PERSONNEL.

FCC INFORMATION (For US customers)

1. PRODUCT
This product complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this product may not cause harmful interference, and (2) this product must accept any interference received, including interference that may cause undesired operation.

2. IMPORTANT NOTICE: DO NOT MODIFY THIS PRODUCT
This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements. Modification not expressly approved by DENON may void your authority, granted by the FCC, to use the product.

3. NOTE
This product has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This product generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this product does cause harmful interference to radio or television reception, which can be determined by turning the product OFF and ON, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the product into an outlet on a circuit different from that to which the receiver is connected.
- Consult the local retailer authorized to distribute this type of product or an experienced radio/TV technician for help.

This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

❑ Copyrights / Droits d'auteur / Derechos de Autor

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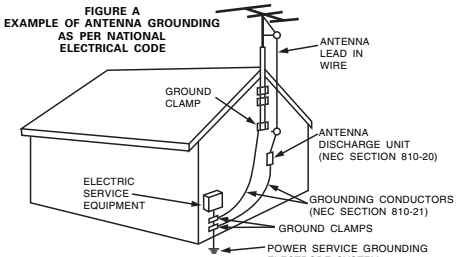
SAFETY INSTRUCTIONS

1. Read Instructions – All the safety and operating instructions should be read before the product is operated.
2. Retain Instructions – The safety and operating instructions should be retained for future reference.
3. Heed Warnings – All warnings on the product and in the operating instructions should be adhered to.
4. Follow Instructions – All operating and use instructions should be followed.
5. Cleaning – Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners.
6. Attachments – Do not use attachments not recommended by the product manufacturer as they may cause hazards.
7. Water and Moisture – Do not use this product near water – for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.
8. Accessories – Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

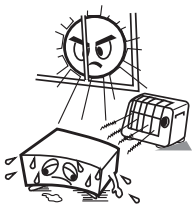
9. A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.
10. Ventilation – Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
11. Power Sources – This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.
12. Grounding or Polarization – This product may be equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

FIGURE A
EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE


ANTENNA LEAD IN WIRE
GROUND CLAMP
ANTENNA DISCHARGE UNIT (NEC SECTION 810-20)
ELECTRIC SERVICE EQUIPMENT
GROUNDING CONDUCTORS (NEC SECTION 810-21)
GROUND CLAMPS
POWER SERVICE GROUNDING ELECTRODE SYSTEM (NEC ART 250, PART H)
NEC - NATIONAL ELECTRICAL CODE

13. Power-Cord Protection – Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.
15. Outdoor Antenna Grounding – If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure A.
16. Lightning – For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.
17. Power Lines – An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
18. Overloading – Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
19. Object and Liquid Entry – Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
20. Servicing – Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
21. Damage Requiring Service – Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
    a) When the power-supply cord or plug is damaged,
    b) If liquid has been spilled, or objects have fallen into the product,
    c) If the product has been exposed to rain or water,
    d) If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation,
    e) If the product has been dropped or damaged in any way, and
    f) When the product exhibits a distinct change in performance – this indicates a need for service.
22. Replacement Parts – When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
23. Safety Check – Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.
24. Wall or Ceiling Mounting – The product should be mounted to a wall or ceiling only as recommended by the manufacturer.
25. Heat – The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

❑ NOTE ON USE / OBSERVATIONS RELATIVES A L'UTILISATION

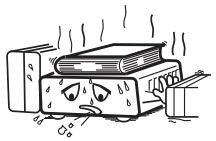


- Avoid high temperatures.
  Allow for sufficient heat dispersion when installed in a rack.
- Eviter des températures élevées.
  Tenir compte d'une dispersion de chaleur suffisante lors de l'installation sur une étagère.
- Evite altas temperaturas.
  Permite la suficiente dispersión del calor cuando está instalado en la consola.

- Handle the power cord carefully.
  Hold the plug when unplugging the cord.
- Manipuler le cordon d'alimentation avec précaution.
  Tenir la prise lors du débranchement du cordon.
- Maneje el cordón de energía con cuidado.
  Sostenga el enchufe cuando desconecte el cordón de energía.

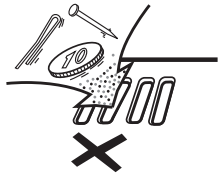
- Keep the unit free from moisture, water, and dust.
- Protéger l'appareil contre l'humidité, l'eau et la poussière.
- Mantenga el equipo libre de humedad, agua y polvo.

- Unplug the power cord when not using the unit for long periods of time.
- Débrancher le cordon d'alimentation lorsque l'appareil n'est pas utilisé pendant de longues périodes.
- Desconecte el cordón de energía cuando no utilice el equipo por mucho tiempo.



* (For apparatuses with ventilation holes)

- Do not obstruct the ventilation holes.
- Ne pas obstruer les trous d'aération.
- No obstruya los orificios de ventilación.



- Do not let foreign objects into the unit.
- Ne pas laisser des objets étrangers dans l'appareil.
- No deje objetos extraños dentro del equipo.

- Do not let insecticides, benzene, and thinner come in contact with the unit.
- Ne pas mettre en contact des insecticides, du benzène et un diluant avec l'appareil.
- No permita el contacto de insecticidas, gasolina y diluyentes con el equipo.

- Never disassemble or modify the unit in any way.
- Ne jamais démonter ou modifier l'appareil d'une manière ou d'une autre.
- Nunca desarme o modifique el equipo de ninguna manera.

Contents

Getting Started

Accessories 2
Cautions on Handling 2
System Configuration 2
Cautions on Installation 3
Other Cautions 3
Discs 4
Discs usable on the S-102 4
Holding Discs 4
Loading Discs 4
Cautions on Loading Discs 5
Cautions on Handling 5
Cautions on Storing Discs 5
Cleaning Discs 5
About the Remote Control Unit 5
Inserting the Batteries 5
Operating Range of the Remote Control Unit 5
Part Names and Functions 6
Front Panel 6
Display 6
Rear Panel 7
Bottom Panel (Subwoofer) 7
Remote Control Unit 8

Connections

Preparations 9
Cables Used for Connections 9
Connecting the System 10
Connecting the Monitor 11
Connecting Equipment with HDMI connectors 11, 12
Connecting the Playback Components 12
Control Dock for iPod 12
TV Tuner 12
Satellite Receiver 12
Connections to Other Devices 13
Antenna Terminals 13
Once Connections are Completed 13

Menu Operations

Operations 14
Example of Display of Default Values 14
Menu Map 14

Setup

LANGUAGE SETUP 15
1 OSD LANGUAGE 15
2 DIALOG 15
3 SUBTITLE 15
4 DISC MENU 15
VIDEO SETUP 16
1 HDMI SETUP 16
2 TV ASPECT 16
3 TV TYPE 16
4 PROGRESSIVE MODE 16
5 SQUEEZE MODE 16
AUDIO SETUP 17
1 SPEAKER SETUP 17
2 INPUT MODE 17
RATINGS 18
1 RATING LEVEL 18
2 PASSWORD 18
OTHER SETUP 18
1 CAPTIONS 18
2 WALL PAPER 18
3 DISPLAY 18
4 SLIDE SHOW 18
5 AUTO POWER MODE 18
6 SCREEN SAVER 18
TIMER SETUP 19
1 ONCE TIMER 19
2 EVERY TIMER 19
3 CLOCK SETUP 19

Playback

Preparations 20
Turning the Power On 20
Loading Discs 20
Input source switching 20
Adjusting the Master Volume 20
Playing a DVD/Music CD Disc 21
Using the Top Menu/DVD Menu (DVD Video) 21
Switching the Audio Language, Subtitle Language and Angle (DVD Video) 22
Using the Playback Control Function (DVD Video) 22
Playing Frame by Frame (DVD Video) 22
Slow Playback (DVD Video) 22
Playing in the Zoom Mode (DVD Video) 22
Playing Repeatedly <Repeat playback> (DVD Video/Music CD) 23
Playing Tracks in the Desired Order <Program> (Music CD) 23
Playing Random Order <Random playback> (Music CD) 23
Playing Music Files 23
Before Playing MP3 or WMA Files 23
Creating MP3 and WMA Files Compatible with the S-102 23
Playing MP3 or WMA Files 23, 24
Playing Still Picture Files (JPEG format) 24
Creating JPEG Files Compatible on the S-102 24
Playing JPEG Files 25
Playing Picture CD/Fujicolor CD 25
Enjoying Surround Sound 25
Set the Input Mode 25
Selecting Surround Mode 26
Set the Surround Parameter 26
Playing Dolby Digital/DTS Multi-Channel Sources (Digital input only) 27
Playing Dolby Digital/PCM/Analog 2-Channel Sources 27
Listening in the Dolby Headphone Mode 27
Listening to Radio Broadcasts 27
Tuning in Broadcast Stations 27, 28
Naming the Currently Tuned in Broadcast Station and Presetting it 28
Automatically Presetting FM Stations (Auto preset) 28
Listening to Preset Stations 28
iPod® Playback 29
Listening to Music 29
Viewing Still Pictures (Only for iPods Equipped with the Photo Function) 29
Disconnecting the iPod 29
Playing a Portable Audio 29

Advanced Operation
On-Screen Display 30
Using the Disc Information Screen (DVD Video/Music CD) 30
Using the Multi-Function Screen (DVD Video) 30
Setting the Sleep Timer 31
Other Functions 31
Adjusting the Tone 31
Turning the Sound Off Temporarily (Muting) 31
Convenient Functions 31
Personal Memory Plus Function 31
Last Function Memory 31
Backup Memory 31
Auto Power On 31
Resetting the Microprocessor 31

Remote Control Unit Operations
Setting the preset memory function 32
Operating a component stored in the preset memory 32
Setting the punch through function 32, 33

Other Information ..... 34 ~ 36

Troubleshooting ..... 37 ~ 39

Specifications 40

List of preset codes ..... End of this manual

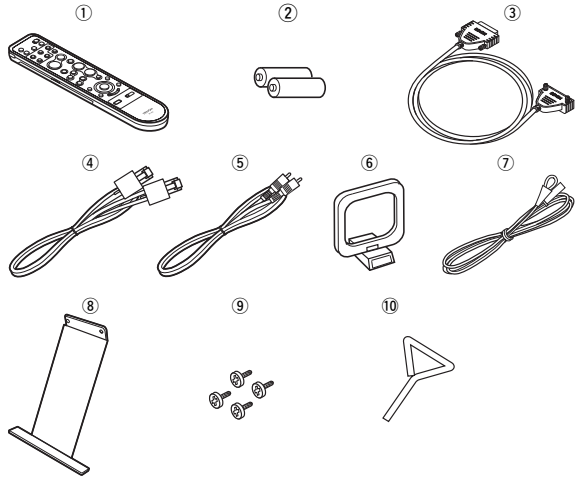
Getting Started

Thank you for purchasing this DENON product. To ensure proper operation, please read these owner's manual carefully before using the product.
After reading them, be sure to keep them for future reference.

Accessories

Check that the following parts are supplied with the product.

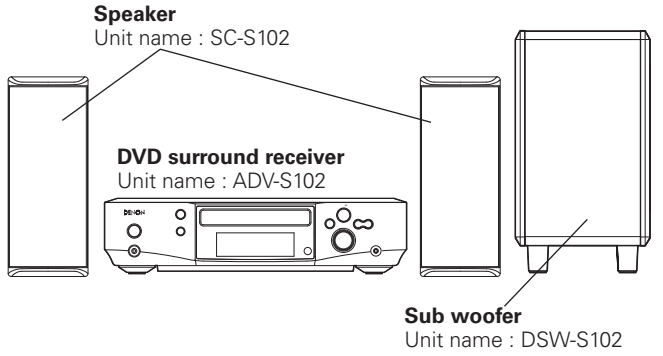
①	Remote control (RC-1073)	1
②	R6P/AA batteries	2
③	System cable (D-SUB25P) (Cord length: Approx. 10 ft/3 m)	1
④	Speaker cable (Cord length: Approx. 16 ft/5 m)	2
⑤	Video cable (Cord length: Approx. 5 ft/1.5 m)	1
⑥	AM loop antenna	1
⑦	FM indoor antenna	1
⑧	Speaker stand	2
⑨	Screw	4
⑩	Hex wrench	1
⑪	Anti slip pads	4
⑫	Owner's manual (with Quick setup sheet)	1
⑬	Service station list	1
⑭	Warranty (for North America model only)	1



Cautions on Handling

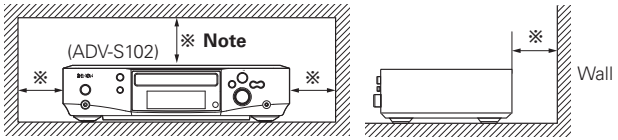
- **Before turning the power switch on**
  Check once again that all connections are correct and that there are no problems with the connection cables.
- Power is supplied to some of the circuitry even when the unit is set to the standby mode. When traveling or leaving home for long periods of time, be sure to unplug the power cord from the power outlet.
- **Sufficiently ventilate the place of installation**
  If the unit is left in a room full of the smoke from cigarettes, etc., for long periods of time, the surface of the optical pickup could get dirty, in which case it will not be able to read the signals properly.
- **About condensation**
  If there is a major difference in temperature between the inside of the unit and the surroundings, condensation (dew) may form on the operating parts inside the unit, causing the unit not to operate properly.
  If this happens, let the unit sit for an hour or two with the power turned off and wait until there is little difference in temperature before using the unit.
- **Cautions on using mobile phones**
  Using a mobile phone near this unit may result in noise. If so, move the mobile phone away from this unit when it is in use.
- **Moving the unit**
  Turn off the power and unplug the power cord from the power outlet.
  Next, disconnect the connection cables to other system units before moving the unit.
- Note that the illustrations in these instructions may differ from the actual unit for explanation purposes.

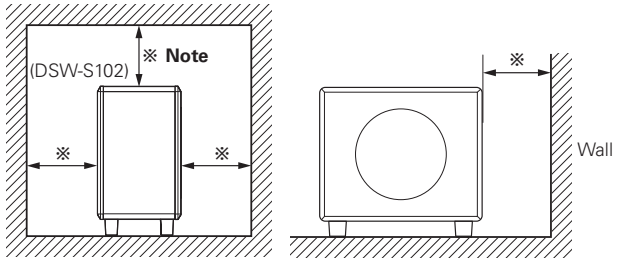
System Configuration



Cautions on Installation

Note:
For proper heat dispersal, do not install this unit in a confined space, such as a bookcase or similar enclosure.





◎ The quality of the sound produced from the speaker is affected by the size and type of the room, as well as by the method of installation. Consider the points listed below before installing the speaker.

- Placing speakers on the same stand or shelf as the record player could result in howling.
- If there is a wall, glass door, etc., behind or to the sides of the speakers, resonance and reflections can be prevented by using a thick curtain, etc.
- The speakers are of the shielded type. With some TVs, however, placing the speakers near the TV could cause color blotching on the TV's picture. If this happens, turn the TV's power off, move it away, wait 15 to 30 minutes, then turn the TV's power back on. If the color blotching persists, move the speakers further away.
- Mount on a wall sufficiently sturdy to bear the weight of the speaker. Note that DENON will except no responsibility whatsoever for damages or accidents caused by the speaker falling.
- To ensure safety, have a specialist install the speakers on the wall.
- Be sure to fasten the speaker connection cables to the wall, etc., so that you do not get your feet or hands caught in them, causing the set to fall.
- Place the subwoofer on a flat floor to prevent accidents due to the subwoofer tipping over.
- Do not place a record player, CD player or other such device on top of the subwoofer.
- Do not set the subwoofer with the baffle surface against the floor. Doing so will prevent you from achieving satisfactory sound effects.

CAUTION

- Be sure to fasten the speaker cords to a wall, etc., to prevent people from tripping over them or otherwise pulling on them accidentally, causing the speaker systems to fall.
- Be sure to check for safety after installing the speaker systems. Afterwards, perform safety inspections at regular intervals to be sure there is no danger that the speaker systems will fall. DENON will accept no responsibility for damages or accidents caused by inappropriate choice of the place of installation or improper installation procedures.

Other Cautions

- Switching the input function when input terminals are not connected.
  A clicking noise may be produced if the input function is switched when nothing is connected to the input terminals. If this happens, either turn down the VOLUME control knob or connect components to the input terminals.
- When watching TV broadcasts with the S-102's power turned on, depending on the conditions of the TV broadcast's signals, striped patterns may appear on the picture. This is not a malfunction of the S-102 or the TV. Turn the S-102's power off when watching TV.
- Note that if a magnet or a piece of furniture or equipment using magnets is placed nearby, interaction with the S-102 could result in color blotching on the TV.

NOTE

- This product uses a semiconductor laser. To ensure stable operation, it is recommended to use the product indoors at a temperature of 5 °C (41 °F) ~ 35 °C (95 °F).

Discs

Discs usable on the S-102

Usable discs	Mark (logo)	Recorded Signals	Disc size
DVD video		Digital audio + digital video (MPEG2)	12cm
DVD-R/DVD+R (∗1) (∗2)	DVD-R, DVD+R		
DVD-RW/ DVD+RW (∗1) (∗3)	DVD-RW, DVD+ReWritable		
CD	COMPACT disc DIGITAL AUDIO	Digital audio MP3 Digital picture (JPEG)	12cm / 8cm
CD-R (∗4)	COMPACT disc DIGITAL AUDIO Recordable		
CD-RW (∗4)	COMPACT disc DIGITAL AUDIO ReWritable		
Picture CD	Kodak Picture CD COMPATIBLE	Digital picture (JPEG)	12cm
Fujicolor CD		Digital picture (JPEG)	12cm
WMA	Plays Windows Media™	Digital audio	12cm

※ Playing discs with special shapes could damage the set. Do not use such discs.

∗1 : DVD ± R/DVD ±RW discs recorded on a DVD recorder in the video mode and finalized can be played on the S-102.
Note, however, that in some cases the discs may not play properly, depending on their recording conditions.
Discs that have not been finalized or DVD ± R/DVD ±RW discs recorded in the VR mode or in CPRM cannot be played.

∗2 : DVD+R DL.(Dual Layer) cannot be played.

∗3 : DVD-RW discs recorded in the VR mode and finalized can be played.

∗4 : According to recording quality, some CD-R/RW cannot be played.
CD-R/CD-RW discs recorded and finalized can be played on the S-102.

The following types of discs cannot be played on the S-102:
- DVD videos with region numbers other than "1" or "ALL"
- DVD-ROM/RAM (For DVD ROM discs)
- CD-ROMs (Only JPEG / MP3 / WMA)
- VCD / VSDs / CVD / SVCD
- CDV (only the audio portion can be played)
- CD-Gs (only the audio portion can be played)
- Photo CDs (NEVER play such discs on the S-102)

NOTE

DVD players and DVD video discs have region numbers (numbers assigned for different regions of the world).
The numbers must match or the discs cannot be played.
The Region number for this DVD video player is **1**.

NOTE

- Recordings you have made should only be used for your personal enjoyment, and as per copyright laws may not be used in other ways without permission of the copyright holder.
- Do not play CD-R/CD-RW discs containing files in formats other than music CD (CD-DA format), MP3, WMA, JPEG. Depending on the type of file, the set may malfunction or be damaged.

Holding Discs

Do not touch the signal surface.

Loading Discs

- Set the disc with the labeled side facing up.
- Make sure the disc tray is fully open when inserting the disc.
- Place the discs flatly, 12 cm discs in the outer tray guide (Figure 1), 8 cm discs in the inner tray guide (Figure 2).

Figure 1

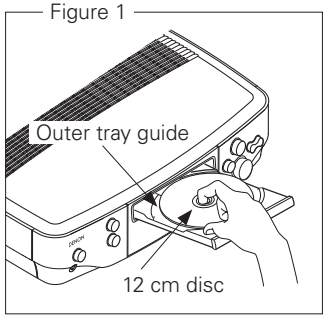
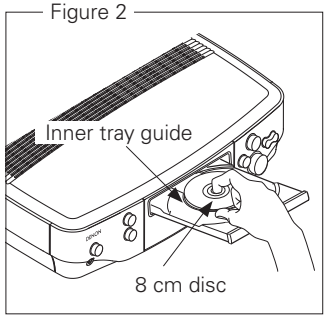


Figure 2



- Place 8 cm discs in the inner tray guide without using an adapter.

- "STOP" is displayed if a disc that cannot be played is loaded.
- "0h00m00s" is displayed if the disc is loaded upside-down or if no disc is loaded.

NOTE

Do not push the disc tray in by hand when the power is turned off. Doing so could damage the set.

Cautions on Loading Discs

- Only load one disc at a time. Loading two or more discs can damage the unit or scratch the discs.
- Do not use cracked or warped discs or discs that have been repaired with adhesive, etc.
- Do not use discs on which the sticky part of cellophane tape or labels is exposed or on which there are traces of where labels have been removed. Such discs can get caught inside the player and damage it.

Cautions on Handling

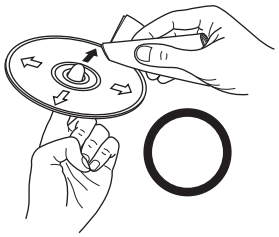
- Do not get fingerprints, oil or dirt on discs.
- Take special care not to scratch discs when removing them from their cases.
- Do not bend or heat discs.
- Do not enlarge the hole at the center.
- Do not write on the labeled (printed) surface with ball-point pens, pencils, etc., or stick new labels on discs.
- Water droplets may form on discs if they are moved suddenly from a cold place (outdoors for example) to a warm place, but do not try to dry them off using a hairdryer, etc.

Cautions on Storing Discs

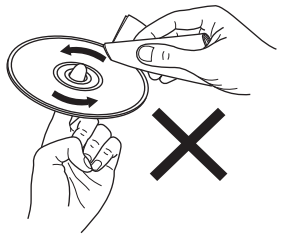
- Be sure to remove discs after using them.
- Be sure to store discs in their cases to protect them from dust, scratches, warping, etc.
- Do not store discs in the following places:
  1. Places exposed to direct sunlight for long periods of time
  2. Dusty or humid places
  3. Places exposed to heat from heating appliances, etc.

Cleaning Discs

- If there are fingerprints or dirt on discs, wipe them off before using the disc. Fingerprints and dirt can impair sound quality and cause interruptions in playback.
- Use a commercially available disc cleaning set or a soft cloth to clean discs.



Gently wipe the disc from the inside towards the outside.



Do not wipe with a circular motion.

NOTE

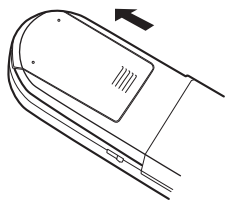
Do not use record spray, antistatic agents, or benzene, thinner or other solvents.

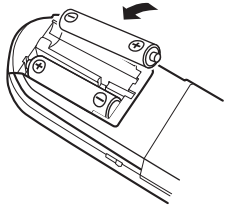
About the Remote Control Unit

Inserting the Batteries

① Slide the rear lid in the direction of the arrow and remove it.

② Load the two batteries properly as indicated by the marks in the battery compartment.





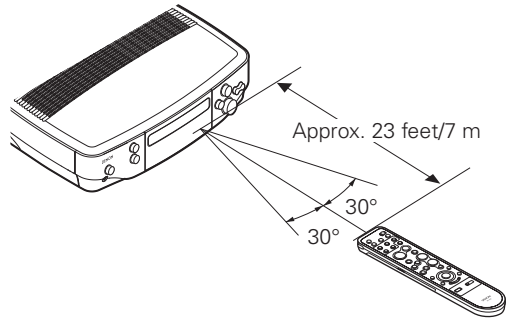
③ Put the rear cover back on.

NOTE

- Replace the batteries with new ones if the set does not operate even when the remote control unit is operated close to the unit.
- The supplied batteries are only for verifying operation.
- When inserting the batteries, be sure to do so in the proper direction, following the "⊕" and "⊖" marks in the battery compartment.
- To prevent damage or leakage of battery fluid:
  - Do not use a new battery together with an old one.
  - Do not use two different types of batteries.
  - Do not attempt to charge dry batteries.
  - Do not short-circuit, disassemble, heat or dispose of batteries in flames.
- If the battery fluid should leak, carefully wipe the fluid off the inside of the battery compartment and insert new batteries.
- Remove the batteries from the remote control unit if it will not be in use for long periods.
- When replacing the batteries, have the new batteries ready and insert them as quickly as passible.

Operating Range of the Remote Control Unit

Point the remote control unit at the remote sensor when operating it.



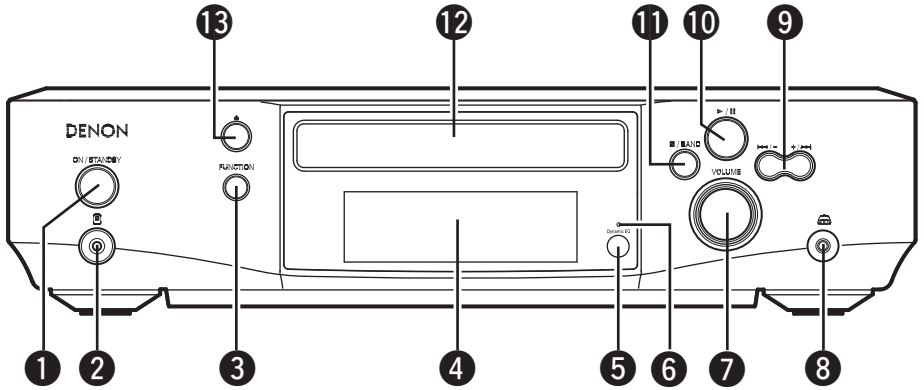
NOTE

The set may function improperly or the remote control unit may not operate if the remote control sensor is exposed to direct sunlight, strong artificial light from an inverter type fluorescent lamp or infrared light.

Part Names and Functions

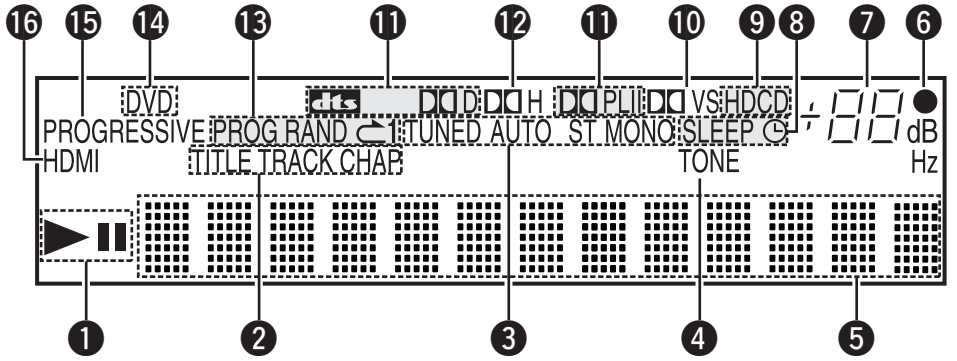
For buttons not explained here, see the page indicated in parentheses ( ).

Front Panel



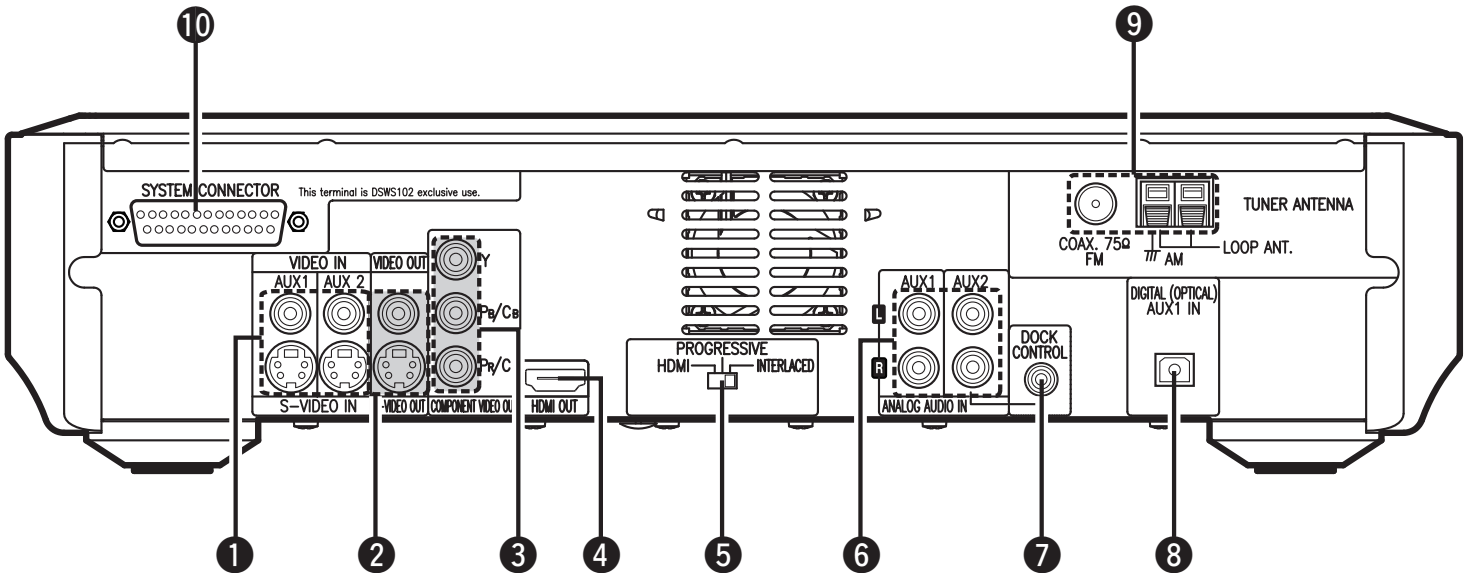
❶ **Power operation button (ON/STANDBY)** ..... (20)
❷ **Portable jack** ..... (20)
❸ **FUNCTION button** ..... (20)
❹ **Display**
❺ **Remote control sensor** ..... (5)
❻ **Audyssey Dynamic EQ indicator** ..... (36)
❼ **VOLUME control knob** ..... (20)
❽ **Headphones jack** ..... (27)
❾ **Skip buttons (I◄◄, ►►I)** ..... (21)
Tuning/Preset buttons (+, –) ..... (27)
❿ **Play/Pause button (► II)** ..... (21)
⓫ **Stop/band button (■ BAND)** ..... (21)
⓬ **Disc tray** ..... (4)
⓭ **Disc tray open/close button (⏏)** ..... (4)

Display



❶ ► (the play indicator) lights when a disc is playing, and II (the pause mode) is set.
❷ **Disc section indicator** ..... (21)
❸ **Reception mode indicator** ..... (27)
❹ **Tone indicator** ..... (31)
❺ **Information display**
Various information is displayed here, depending on the operation mode.
❻ **Remote control signal reception indicator** ..... (5)
❼ **Master volume indicator** ..... (20)
❽ **Timer indicator** ..... (19)
❾ **HDCD indicator** ..... (36)
❿ **Dolby Virtual Speaker mode indicator** ..... (27)
⓫ **Input signal indicators** ..... (27)
⓬ **Dolby Headphone mode indicator** ..... (27)
⓭ **Play mode indicator** ..... (23)
⓮ **Disc indicator** ..... (4)
⓯ **Progressive output indicator** ..... (11)
⓰ **HDMI output indicator** ..... (11)

Rear Panel



❶ **AUX1 / AUX2 VIDEO / S-VIDEO connectors (VIDEO/S-VIDEO IN)** ..... (12)

❷ **VIDEO / S-VIDEO connectors (VIDEO/S-VIDEO OUT)** ..... (11)

❸ **COMPONENT VIDEO connectors (COMPONENT VIDEO OUT)** ..... (11)

❹ **HDMI connectors (HDMI OUT)** ..... (11)

❺ **Video output selector switch (HDMI/PROGRESSIVE/INTERLACED)** ..... (11)

❻ **AUX1 / AUX2 Analog audio connectors (ANALOG AUDIO IN)** ..... (12)

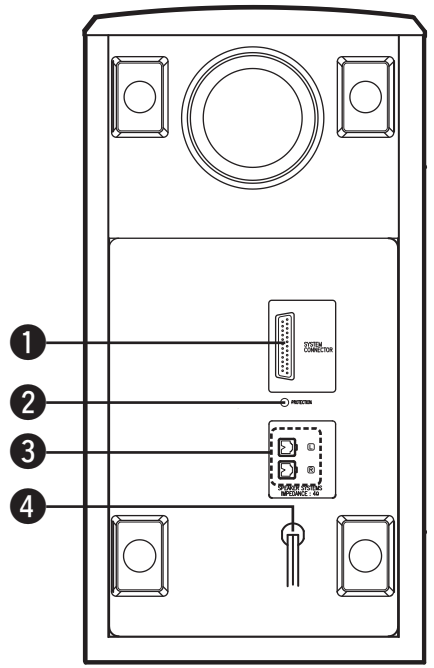
❼ **DOCK CONTROL jack** ..... (12)

❽ **AUX1 Digital audio connectors (OPTICAL DIGITAL IN)** ..... (12)

❾ **FM/AM antenna terminals (ANTENNA)** ..... (13)

❿ **SYSTEM connector (SYSTEM CONNECTOR)** ..... (10)

Bottom Panel (Subwoofer)



❶ **SYSTEM CONNECTOR** ..... (10)

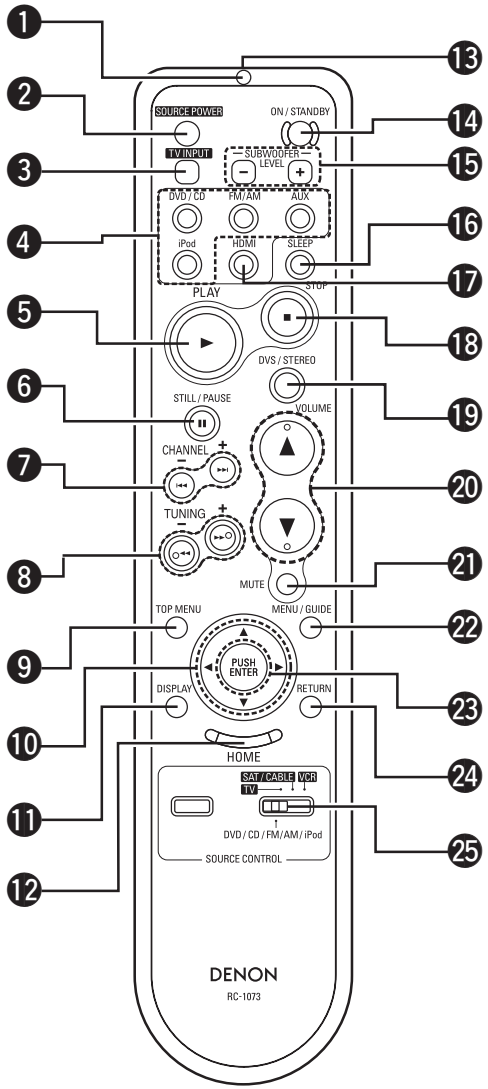
❷ **PROTECTION indicator** ..... (10)

❸ **SPEAKER SYSTEMS connector** ..... (10)

❹ **Power cord** ..... (10)

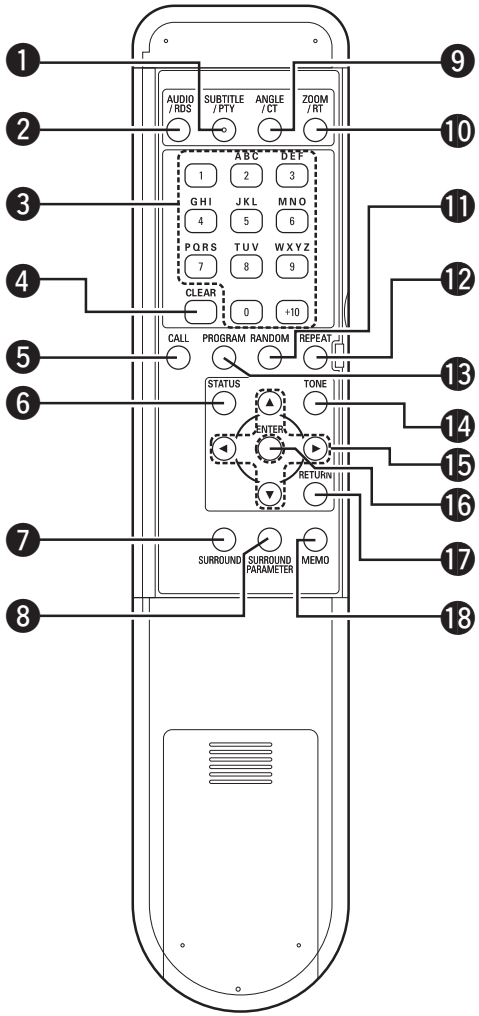
Remote Control Unit

❑ Front



❶ **Signal transmission indicator** ..... (32)
❷ **External device power button** ..... (33)
❸ **TV input selector button** ..... (32)
❹ **Function button** ..... (20)
❺ **PLAY (►) button** ..... (21)
❻ **STILL/PAUSE (❚❚) button** ..... (21)
❼ **SKIP (I◄◄, ►►I) buttons** ..... (21)
CHANNEL +, – buttons ..... (28)
❽ **SEARCH (◄◄, ►►) buttons** ..... (21)
TUNING +, – buttons ..... (27, 28)
❾ **TOP MENU button** ..... (21)
❿ **Cursor buttons (△▽◁ ▷)** ..... (14)
⓫ **DISPLAY button** ..... (30)
⓬ **HOME button** ..... (14)
⓭ **Remote control signal transmitter** ..... (5)
⓮ **ON/STANDBY button** ..... (20)
⓯ **SUB WOOFER LEVEL button**
Adjust the subwoofer volume level.
⓰ **SLEEP button** ..... (31)
⓱ **HDMI button** ..... (12)
⓲ **STOP (■) button** ..... (21)
⓳ **Dolby virtual speaker/STEREO button** ..... (26)
⓴ **Master volume control buttons (VOLUME)** ..... (20)
㉑ **Muting button (MUTE)** ..... (31)
㉒ **MENU/GUIDE button** ..... (21)
㉓ **ENTER button** ..... (14)
㉔ **RETURN button** ..... (14)
㉕ **SOURCE CONTROL switch** ..... (32)
※ To operate the S-102, set to the "DVD / CD / FM/AM / iPod" position.

❑ Rear



❶ **SUBTITLE/PTY button** ..... (22)
❷ **AUDIO/RDS button** ..... (22)
❸ **Character/Number** ..... (21)
❹ **CLEAR button** ..... (23)
❺ **CALL button** ..... (23)
❻ **STATUS button** ..... (19)
❼ **SURROUND button** ..... (26)
❽ **SURROUND PARAMETER button** ..... (27)
❾ **ANGLE/CT button** ..... (22)
❿ **ZOOM/RT button** ..... (22)
⓫ **RANDOM button** ..... (23)
⓬ **REPEAT button** ..... (23)
⓭ **PROGRAM button** ..... (23)
⓮ **TONE button** ..... (31)
⓯ **Cursor buttons (△▽◁ ▷)** ..... (14)
⓰ **ENTER button** ..... (14)
⓱ **RETURN button** ..... (14)
⓲ **MEMO button** ..... (28)

NOTE

If buttons on the front or rear are pressed strongly, the button on the opposite side will be activated too.

Connections

Connections for all compatible audio and video signal formats are described in these operating instructions. Please select the types of connections suited for the equipment you are connecting. With some types of connections, certain settings must be made on the S-102. For details, refer to the instructions for the respective connection items below.

NOTE

- Do not plug in the power supply cord until all connections have been completed.
- When making connections, also refer to the owner's manual of the other components.
- Be sure to connect the left and right channels properly (left with left, right with right).
- Do not bundle power supply cords together with connection cables. Doing so can result in humming or noise.

To change the speaker cable

Refer to the procedure below if you want to switch to a different speaker cable. This example describes how to mount the "+" side cable to the connector. Mount the "–" side cable in the same way.

1 Insert the included hexagonal wrench into the hole at the top of the connector's "+" side. (Arrow A)

2 Turn the hexagonal wrench in the direction of arrow B to loosen the cable.

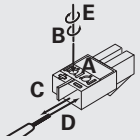
3 Pull out the old cable. (Arrow C)

※ Be careful not to leave any broken wire parts inside the connector.

4 Peel off the cable's sheath and insert the new cable. (Arrow D)

5 Turn the hexagonal wrench in the direction of Arrow E and tighten securely so that the cable cannot be pulled out.

※ If the polarities are inverted, the phase may be off and the bass sound may be missing, resulting in an unnatural sound.



Preparations

Cables Used for Connections

Select the cables according to the equipment being connected.

Audio cables

Optical digital connections

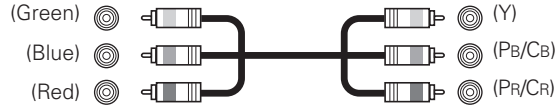
Optical transmission cable

Analog connections (stereo)

Stereo pin-plug cable

Video cables

Component video connections



Component video cable

S-Video connections

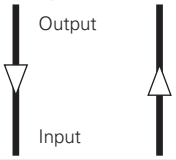
S-Video cable

Video connections

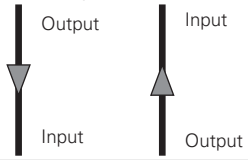
75Ω / ohms pin-plug video cable

Signal direction

Audio signal:



Video signal:



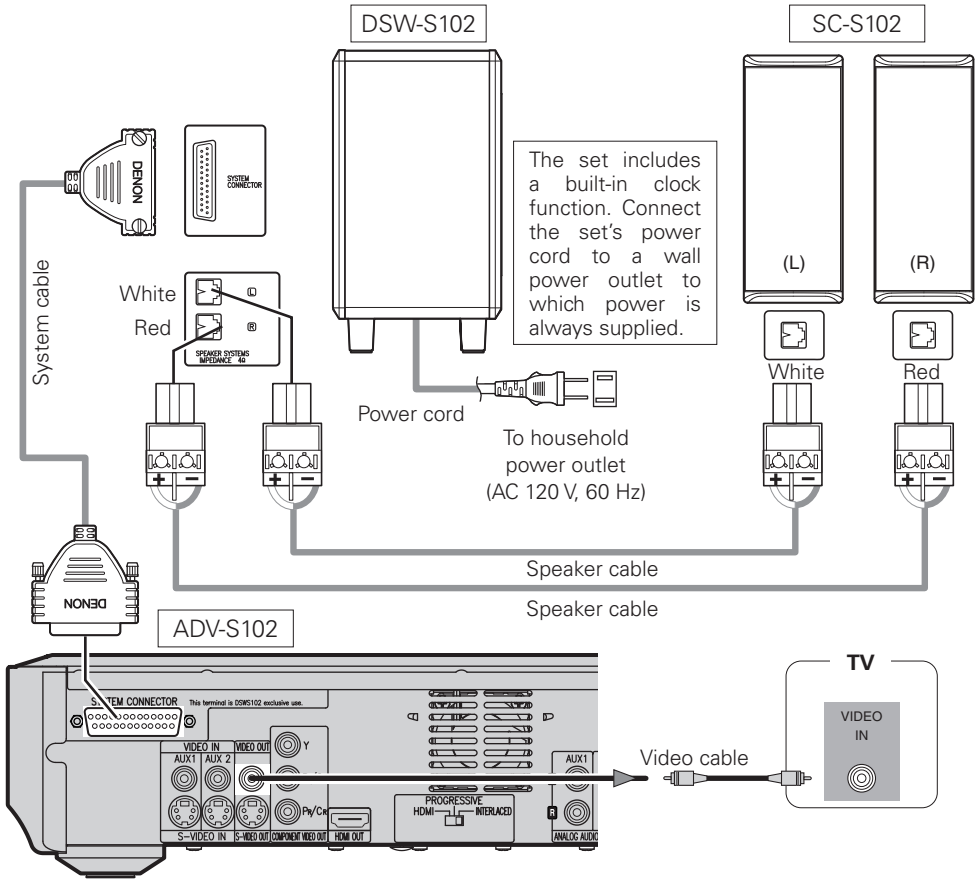
Audio and video cables

HDMI connections

19-pin HDMI cable

Connecting the System

A home theater can be achieved easily using the included cables to connect the DVD surround receiver (ADV-S102), subwoofer (DSW-S102), speakers (SC-S102) and your TV set.



NOTE

- Connect the set's video output directly to the TV. Do not connect it via a VCR (video cassette recorder). Some discs contain copy prohibit signals, and the picture could be disturbed if such discs are played via a VCR.
- Insert the plugs securely. Incomplete connections will result in the generation of noise.
- Do not unplug the power cord while the set is operating.
- When connecting system cables and speaker cables, first lay them out sideways. When laying them out take care not to damage them.

Protector circuit

The protection circuit will be activated in the following cases:

- When the speaker output is short-circuited
- When the temperature around the set is extremely high
- When the set is used for long periods of time with a high output and the internal temperature rises

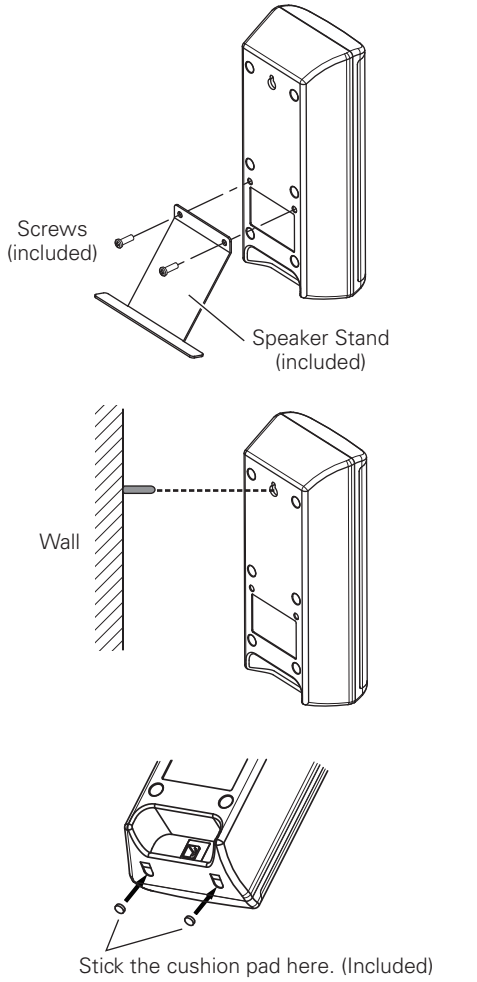
When the protection circuit is activated, the speaker output is cut off and the power supply indicator flashes. Should this occur, please follow these steps: be sure to switch off the power of this unit, check whether there are any faults with the wiring of the speaker cables or input cables, and wait for the unit to cool down if it is very hot. Improve the ventilation condition around the unit and switch the power back on.
If the protection circuit is activated again even though there are no problems with the wiring or the ventilation around the unit, switch off the power and contact a DENON service center.

Note on speaker impedance

If speakers with an impedance below the specified impedance (4 Ω/ohms) are used (for example, speakers with an impedance of 3 Ω/ohms) with the volume turned up high for long periods of time, the temperature may rise, activating the protective circuit.
When the protection circuit is activated, the output to the speakers is cut off and the power indicator blinks. If this happens, unplug the power supply cord, wait for the set to cool off and improve ventilation around the unit. Also check the wiring of the input cables and the speaker cables. After doing this, plug the power supply cord back in and turn the unit's power back on.
If the protection circuit is activated again even though there are no problems with the wiring or the ventilation around the unit, switch off the power and contact a DENON service center.

Mounting the speaker stand and bracket

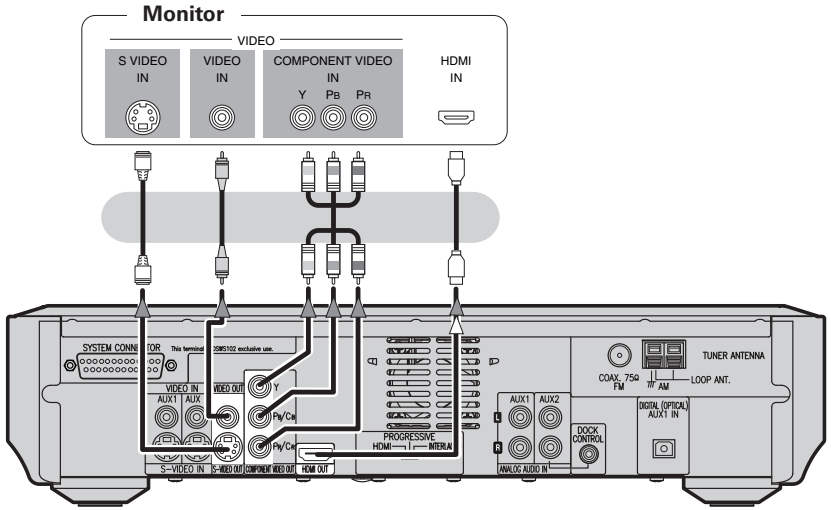
※ Be sure to tighten the screws completely.
※ Also be careful when installing.



※ When placing the speaker system (SC-S102) on a stand, etc., stick the included cushion pads at the two corners of the bottom surface. (Refer to the illustration above.)

Connecting the Monitor

Select and connect using one of the video cables below according to the TV's terminals. The terminals provide playback with different picture qualities, in the following order (from highest to lowest):
①HDMI terminals, ②Component video terminals, ③S-Video terminals, ④Video terminals



Switching the video output format

Set the **HDMI/PROGRESSIVE/INTERLACED** switch on the rear panel according to the video output format of the TV connected to the set.

※ Be sure to turn the power off before operating the switch.

- The component video terminals may be indicated differently on your TV. For details, see the TV's operating instructions.
- When PROGRESSIVE is set, picture cannot be output from VIDEO OUT/S-VIDEO OUT.

Connecting Equipment with HDMI Connectors

Digital video and digital audio can both be connected using a single HDMI cable.

NOTE

- When playing multichannel sources, the audio output is downmixed to two channels for output. In addition, the sampling frequency is lowered to 48 kHz.
- Video signals are not output properly when using devices that are not HDCP-compatible.
- Use a cable on which the HDMI logo is indicated (a certified HDMI product) for connection to the HDMI connector. Normal playback may not be possible when using a cable other than one on which the HDMI logo is indicated (a non-HDMI-certified product).
- The audio signals output from the HDMI connector (sampling frequency, bit rate, etc.) may be restricted by the connected device.

If the connected TV is only compatible with DVI-D terminals, use an HDMI/DVI conversion cable.

When connecting with an HDMI/DVI converter cable (adapter)

- HDMI video signals are theoretically compatible with the DVI format.
  When connecting to a TV, etc., equipped with a DVI-D terminal, connection is possible using an HDMI/DVI converter cable, but depending on the combination of components in some cases the video signals will not be output.
- When connecting using an HDMI/DVI converter adapter, the video signals may not be output properly due to poor connections with the connected cable, etc.

Condition of signals from the S-102's HDMI output terminal	HDMI-compatible monitor	DVI-D-compatible monitor (HDCP compatible)	DVI-D-compatible monitor (HDCP non compatible)
	Both video and audio output	Only video output ✻	Neither video nor audio output

✻: Only output when video signals are of RGB format.

Copyright protection system

In order to play the digital video and audio signals of a DVD Video disc using HDMI connections, both the connected DVD player and TV must be equipped for a copyright protection system called "HDCP" (High-bandwidth Digital Content Protection).
HDCP is a copy protection technology consisting of data encoding and mutual identification of the devices. The S-102 is HDCP-compatible. Check the operating instructions of your TV to see if they are compatible.

Setting the HDMI output resolution

Set the resolution of the video signals output from the HDMI output terminal to a resolution with which the connected devices are compatible. Press **HDMI** on the remote control unit to select.

480p/576p → 720p → 1080i → 1080p → AUTO

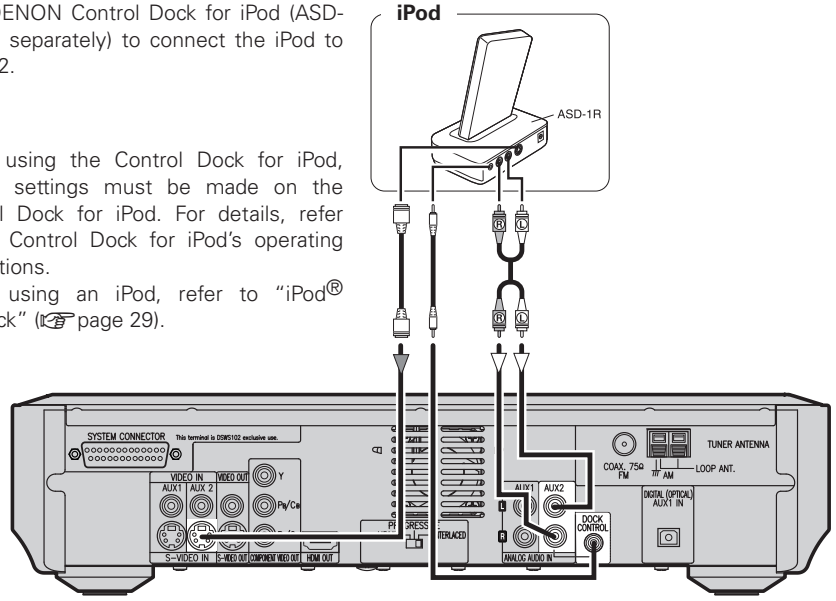
Connecting the Playback Components

Carefully check the left (L) and right (R) channels and the inputs and outputs, and be sure to interconnect correctly.

Control Dock for iPod

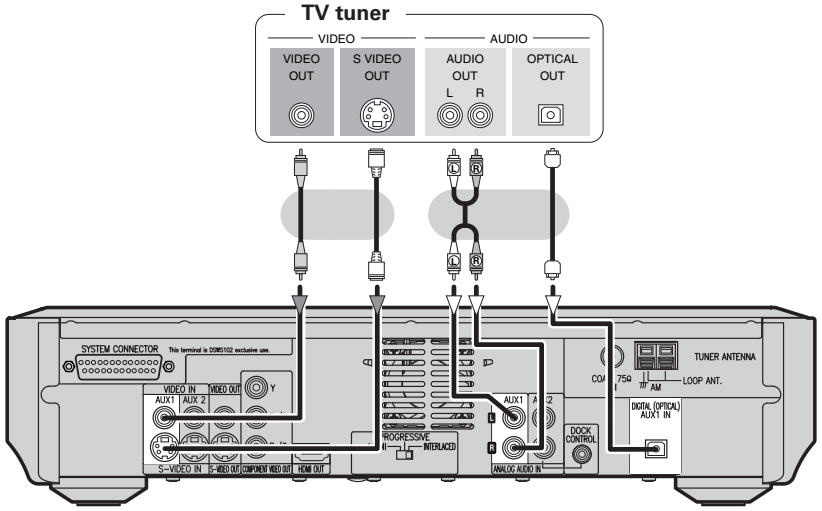
Use a DENON Control Dock for iPod (ASD-1R, sold separately) to connect the iPod to the S-102.

- When using the Control Dock for iPod, certain settings must be made on the Control Dock for iPod. For details, refer to the Control Dock for iPod's operating instructions.
- When using an iPod, refer to "iPod® Playback" (☞page 29).



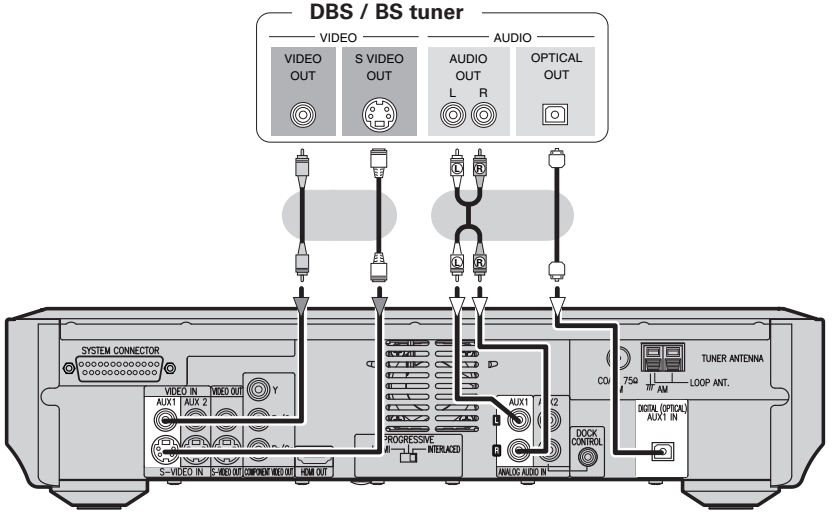
TV Tuner

Connect the cables to be used.



Satellite Receiver

Connect the cables to be used.



Connect to "AUX1" when using the OPTICAL terminal for the digital audio input.

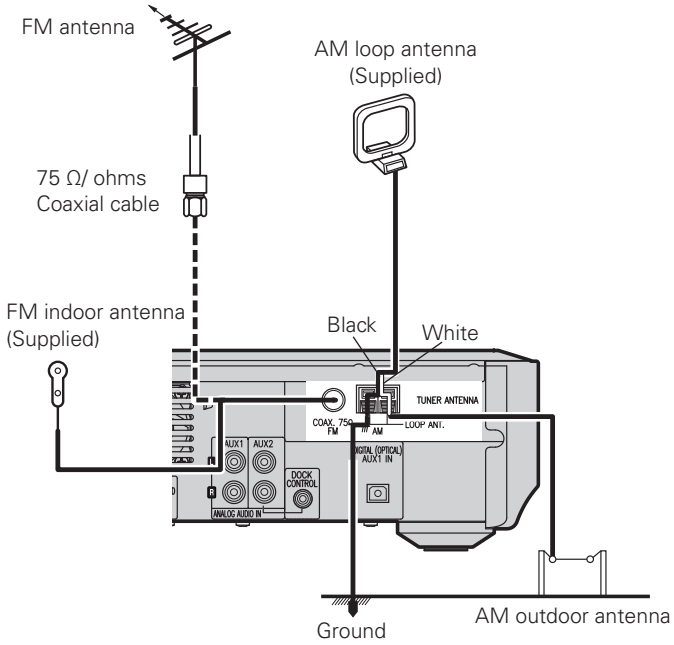
Connections to Other Devices

Antenna Terminals

An F-type FM antenna cable plug can be connected directly.

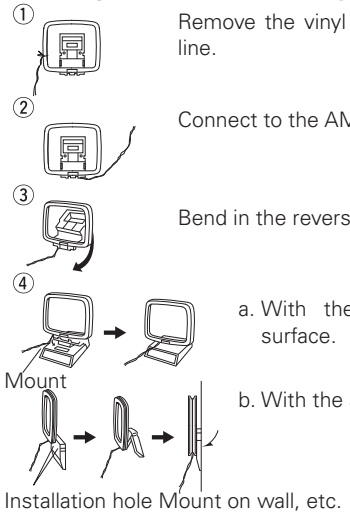
AM/FM

Direction of broadcasting station



Note to CATV system installer:
This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

AM loop antenna assembly



① Remove the vinyl tie and take out the connection line.

② Connect to the AM antenna terminals.

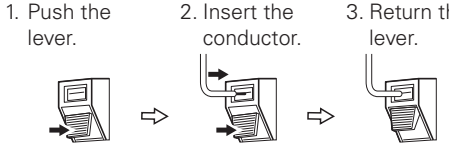
③ Bend in the reverse direction.

④
a. With the antenna on top any stable surface.

b. With the antenna attached to a wall.

Mount on wall, etc.

Connection of AM antennas



NOTE

- Do not connect two FM antennas simultaneously.
- Even if an external AM antenna is used, do not disconnect the AM loop antenna.
- Make sure the AM loop antenna lead terminals do not touch metal parts of the panel.

Once Connections are Completed

Turning the Power On (☞page 20)

Menu Operations

With the S-102, settings and operations for most functions can be performed by operating while looking at the menus displayed on the monitor screen.

Operations

The same operation is possible on the remote control unit.

1 **Press the HOME button.**
The menu is displayed.

2 **Press the △▽ button to select the item you want to set, then press the ENTER button.**

3 **Press the ◁ ▷ button again to select the item you want to set, then press the ENTER button.**

4 **To change the setting:**
Press the △▽ button to select the item you want to change, then press the ◁ ▷ button to change the setting.

※ To return to the previous item, press the **RETURN** button.
"CHANNEL LEVEL", "DISTANCE" and "TIMER SETUP" only.

5 **Press the ENTER button to enter the setting.**

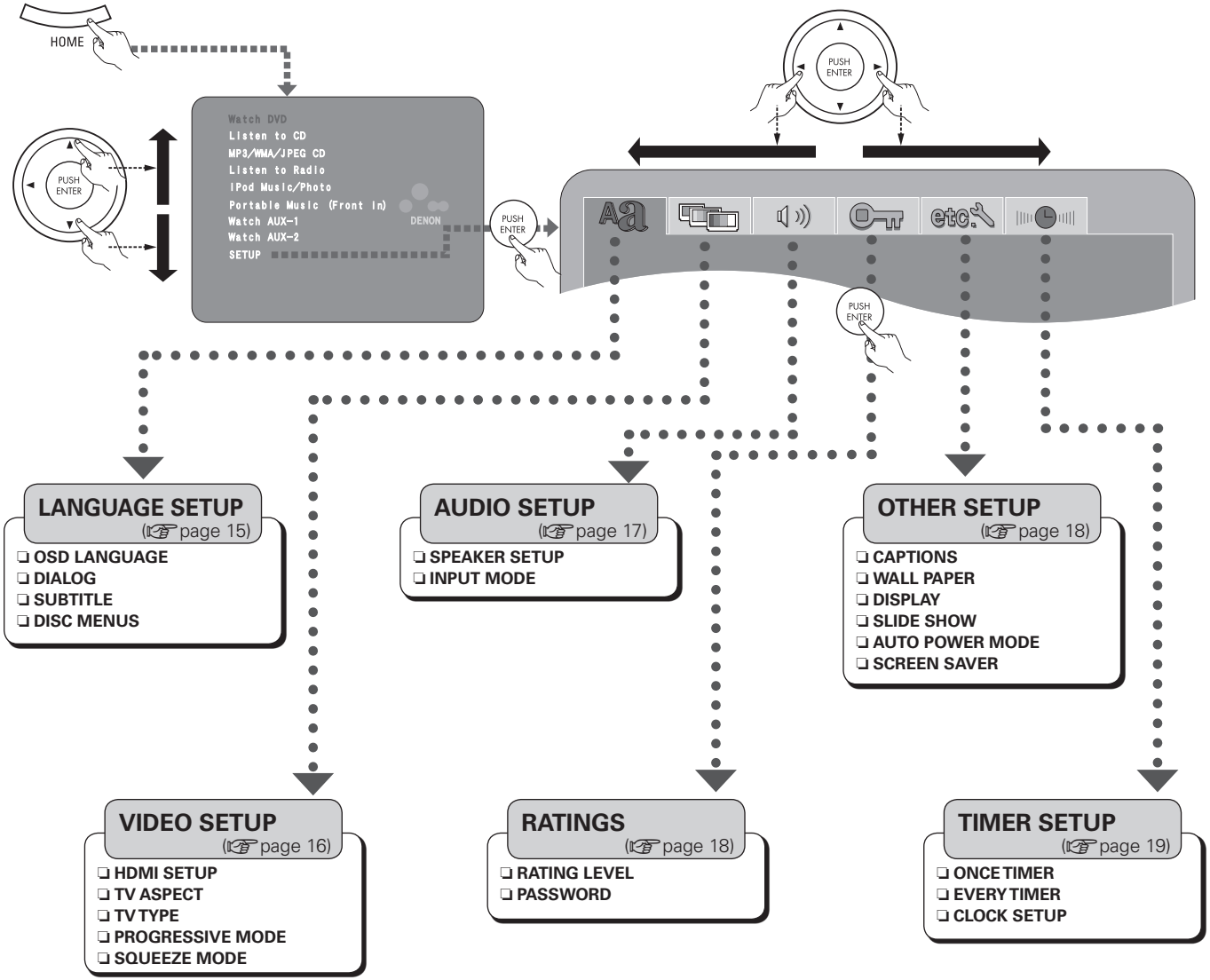
6 **Press the HOME button to finish.**

Example of Display of Default Values

In lists of selectable items or adjustable ranges, the item surrounded by a border is the default value.

[Selectable items] **A** | **B** | **A + B**

Menu Map



Setup

LANGUAGE SETUP

Make settings for OSD language, DVD subtitle/dialog language etc.

● Menu screen ●

1 OSD LANGUAGE

Select the language displayed on the screen.

[Selectable items]

ENGLISH	: Select English.
FRANÇAIS	: Select French.
ESPAÑOL	: Select Spanish.

2 DIALOG

Select language for dialog.

[Selectable items]

ENGLISH	: Select English.
FRENCH	: Select French.
SPANISH	: Select Spanish.
GERMAN	: Select German.
JAPANESE	: Select Japanese.
OTHERS	: Select other language.

3 SUBTITLE

Select language for subtitles.

[Selectable items]

OFF	: Turn subtitles off.
ENGLISH	: Select English.
FRENCH	: Select French.
SPANISH	: Select Spanish.
GERMAN	: Select German.
JAPANESE	: Select Japanese.
OTHERS	: Select other language.

4 DISC MENU

Select disc menu language.

[Selectable items]

ENGLISH	: Select English.
FRENCH	: Select French.
SPANISH	: Select Spanish.
GERMAN	: Select German.
JAPANESE	: Select Japanese.
OTHERS	: Select other language.

If “Other” was selected, refer to the “Language code list” and input the code number using the **NUMBER** (**0** ~ **9**) buttons.

Language code list

Code	Language	Code	Language
6565	Afar	7079	Faroese
6566	Abkhazian	7082	French
6570	Afrikaans	7089	Frisian
6577	Ameharic	7165	Irish
6582	Arabic	7168	Scots Gaelic
6583	Assamese	7176	Galician
6589	Aymara	7178	Guarani
6590	Azerbaijani	7185	Gujarati
6665	Bashkir	7265	Hausa
6669	Byelorussian	7273	Hindi
6671	Bulgarian	7282	Croatian
6672	Bihari	7285	Hungarian
6678	Bengali; Bangla	7289	Armenian
6679	Tibetan	7365	Interlingua
6682	Breton	7378	Indonesian
6765	Catalan	7383	Icelandic
6779	Corsican	7384	Italian
6783	Czech	7387	Hebrew
6789	Welsh	7465	Japanese
6865	Danish	7473	Yiddish
6869	German	7487	Javanese
6890	Bhutani	7565	Georgian
6976	Greek	7575	Kazakh
6978	English	7576	Greenlandic
6979	Esperanto	7577	Cambodian
6983	Spanish	7578	Kannada
6984	Estonian	7579	Korean
6985	Basque	7583	Kashmiri
7065	Persian	7585	Kurdish
7073	Finnish	7589	Kirghiz
7074	Fiji	7665	Latin
7678	Lingala	8375	Slovak
7679	Laothian	8376	Slovenian
7684	Lithuanian	8377	Samoan
7686	Latvian, Lettish	8378	Shona
7771	Malagasy	8379	Somali
7773	Maori	8381	Albanian
7775	Macedonish	8382	Serbian
7776	Malayalam	8385	Sundanese
7778	Mongolian	8386	Swedish
7779	Moldavian	8387	Swahili
7782	Marathi	8465	Tamil
7783	Malay	8469	Telugu
7784	Maltese	8471	Tajik
7789	Burmese	8472	Thai
7865	Nauru	8473	Tigrinya
7869	Nepali	8475	Turkmen
7876	Dutch	8476	Tagalog
7879	Norwegian	8479	Tonga
7982	Oriya	8482	Turkish
8065	Panjabi	8484	Tatar
8076	Polish	8487	Twi
8083	Pashto, Pushto	8575	Ukrainian
8084	Portuguese	8582	Urdu
8185	Quechua	8590	Uzbek
8277	Rhaeto-Romance	8673	Vietnamese
8279	Romanian	8679	Volapük
8285	Russian	8779	Wolof
8365	Sanskrit	8872	Xhosa
8368	Sindhi	8979	Yoruba
8372	Serbo-Croatian	9072	Chinese
8373	Singhalese	9085	Zulu

VIDEO SETUP

Make video output settings to match connected monitor.

● Menu screen ●

1 HDMI SETUP

Make settings for HDMI video/audio output.

HDMI SELECT

Make settings for output color space.

[Selectable items]

Y Cb Cr : Output using YCbCr format.

RGB : Output using RGB format.

HDMI AUTO FORMAT

Make settings for resolution of HDMI video output signal.

[Selectable items]

PANEL RES. : Detect monitor panel resolution and automatically set output resolution.

MAX RES. : Detect monitor max. resolution and automatically set output resolution.

HDMI BLACK LEVEL

Make settings for RGB output range.

[Selectable items]

NORMAL : Use video range from 16 (black) to 235 (white).

ENHANCED : Video range from 0 (black) to 255 (white) Use this setting to avoid black washout.

HDMI AUDIO OUT

Select whether to output audio via HDMI. (DVD only)

[Selectable items]

OFF : Enable audio output via HDMI.

ON : Disable audio output via HDMI.

2 TV ASPECT

Select monitor aspect ratio.

[Selectable items]

4:3PS : 4:3 monitor is used (For pan & scan sources).

4:3LB : 4:3 monitor is used 16:9 material is shown letterboxed.

WIDE(16:9) : 16:9 monitor is used.

With the "4:3PS" setting, 16:9 pictures are displayed with the left and right sides cut off. Sources not compatible with panning and scanning are displayed with black bands at the top and bottom.

3 TV TYPE

Select video signal format for monitor.

[Selectable items]

NTSC : NTSC monitor is used.

PAL : PAL monitor is used.

MULTI : NTSC/PAL compatible monitor is used.

4 PROGRESSIVE MODE

Select optimum progressive mode for video material.

[Selectable items]

AUTO1 : Select mode suitable for film material playback.

AUTO2 : Select mode suitable for 30-frame film material playback .

VIDEO1 : Select mode suitable for video playback.

VIDEO2 : Select this for video sources with little motion.

VIDEO3 : Select this for motion-intensive video sources.

5 SQUEEZE MODE

Select display method of 4:3 material on 16:9 screen.

[Selectable items]

OFF : 4:3 material is stretched to fill 16:9 screen.

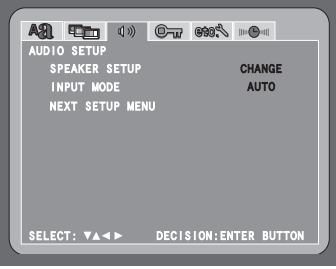
ON : 4:3 material is shown in center of 16:9 screen.

There is no effect with interlaced video outputs.

AUDIO SETUP

Make settings for audio playback.

● Menu screen ●



1 SPEAKER SETUP

Make detailed speaker settings.

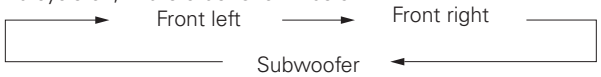
CHANNEL LEVEL

Listening to the test tones at the listening position, adjust the level of the speakers for the different channels so that the volume level sounds the same from all speakers.

[Selectable items]

TEST TONE	: Output test tone.
FRONT LCH	: Output test tone from front left speaker.
FRONT RCH	: Output test tone from front right speaker.
SUBWOOFER	: Output test tone from subwoofer.

- The volume can be adjusted between the range of -12dB to +12dB.
- When "TEST TONE" was selected, the test tones are output in intervals of 4 seconds for the first two cycles, 2 seconds from the third cycle on, in the order shown below.



DISTANCE

Set distance from listening position to speakers.

[Selectable items]

DISTANCE	: Select unit for distance.
FRONT LCH	: Set distance from listening position to front left speaker.
FRONT RCH	: Set distance from listening position to front right speaker.
SUBWOOFER	: Set distance from listening position to subwoofer.
DEFAULT	: Press the **ENTER** button to return to the default.

2 INPUT MODE

Make input mode and decode mode settings for this source.

[Selectable items]

AUTO	: Detect type of digital input signal and decode and play automatically.
DTS	: Decode and play only DTS input signals.
PCM	: Decode and play only PCM input signals.
ANALOG	: Play only signals from analog input.

RATINGS

Make viewer restriction related settings.

● Menu screen ●

1 RATING LEVEL

Select viewer restriction level.

[Selectable items]

0 (LOCK ALL)	: Prohibit playback of all DVDs.
1 ~ 7	: Prohibit playback of adult DVDs.
8 (NO LIMIT)	: Do not use viewer restrictions.

When "1 – 7" is selected, viewing cannot be restricted for adult DVDs on which no viewer restriction level has been recorded.
However, when "0 (Lock All)" is selected, playback is prohibited for all discs, even discs on which no viewer restriction level has been recorded.

2 PASSWORD

Change password.

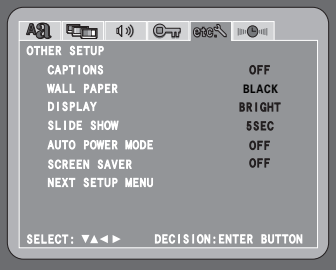
[Selectable items]

OLD PASSWORD (0000 ~ 9999)	: Enter current password. Default setting is "0000".
NEW PASSWORD (0000 ~ 9999)	: Enter new password.
CONFIRM PASSWORD	: Re-enter new password for confirmation.

OTHER SETUP

Make various other settings.

● Menu screen ●



1 CAPTIONS

Make settings for closed-caption info on DVD (separate decoder required).

[Selectable items]

OFF	: Disable closed-caption display.
ON	: Enable closed-caption display.

DVDs including closed caption signals are indicated by the CC, CC and CC marks.
Subtitles are not displayed for DVDs not containing closed caption signals.

2 WALL PAPER

Change the OSD background.

[Selectable items]

PICTURE	: Set the background to a picture.
BLUE	: Set the background to blue.
GRAY	: Set the background to gray.
BLACK	: Set the background to black.

3 DISPLAY

Adjust display brightness of the receiver.

[Selectable items]

BRIGHT	: Normal display brightness.
MEDIUM	: Reduced display brightness.
DIM	: Very low display brightness.
OFF	: Display is off unless controls are operated.

4 SLIDE SHOW

Make slideshow settings.

[Selectable items]

5SEC	: Set the playback time per image. (5 ~ 15 sec)

5 AUTO POWER MODE

Control auto power-off 30 min. afte DVD playback stop (power saver mode).

[Selectable items]

OFF	: Disable power saver mode.
ON	: Enable power saver mode.

This function only works when the input source is set to "DVD/CD".

6 SCREEN SAVER

Use the screen saver to prevent burn-in on the monitor screen.

[Selectable items]

OFF	: Turn the screen saver function off.
ON	: Activate the screen saver if there is no activity for about 5 minutes.

TIMER SETUP

Settings for Timer.

● Menu screen ●

1 ONCE TIMER

Settings for once-only timer.

[Selectable items]

DISABLE : Disable once-only timer.

ENABLE : Enable once-only timer.

❑ Start Time

Set Timer Start Time. (12-hour display)

Example: PM 0:35

❑ End Time

Set Timer End Time. (12-hour display)

Example: PM 1:00

❑ Function

Select Timer Function.

2 EVERY TIMER

Settings for Everyday Timer.

[Selectable items]

DISABLE : Disable Everyday Timer.

ENABLE : Enable Everyday Timer.

❑ Start Time

Set Timer Start Time. (12-hour display)

Example: PM 0:35

❑ End Time

Set Timer End Time. (12-hour display)

Example: PM 1:00

❑ Function

Select Timer Function.

- Be sure to set the current time if you want to use the timer playback function.
- When the function is set to "TUNER", also set the preset number.
- If the times set for the sleep timer, every timer and once timer overlap, the priority is as follows:
  ① sleep timer ② once timer ③ every timer

Setting the "ONCE TIMER" and "EVERY TIMER"

① Press the ◁ ▷ button to select "TIMER SETUP" icon, then press the **ENTER** button.
② Press the △▽ button to select "ONCE TIMER" or "EVERY TIMER", then press the **ENTER** button.
③ Press the △▽ button to select "ENABLE".
④ Press the △▽◁ ▷ button to select start time, end time, and function, then press the **ENTER** button.
⑤ Press the △▽ button to select "EXIT SETUP", then press the **ENTER** button.
The timer is turned on and the timer standby indicator "◷" lights.
⑥ Press the **ON/STANDBY** button.
The power indicator turns orange.

Checking whether or not the timer is enabled

In the standby mode, press the **STATUS** button.
The status is displayed on the S-102's display.

(When the once timer is on and the everyday timer is off)

Canceling the timer

Select "DISABLE".
To turn the timer back on, select "ENABLE".

Changing the timer settings

Redo the timer setting operation from the beginning.
The previous settings are cleared and replaced with the new settings.

If there has been a power failure

The settings are cleared.
Reset the current time, then make the settings over from the beginning.

3 CLOCK SETUP

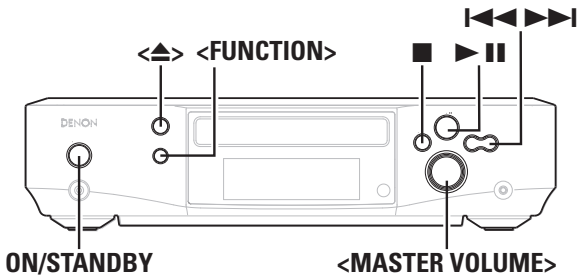
Set Current Time.

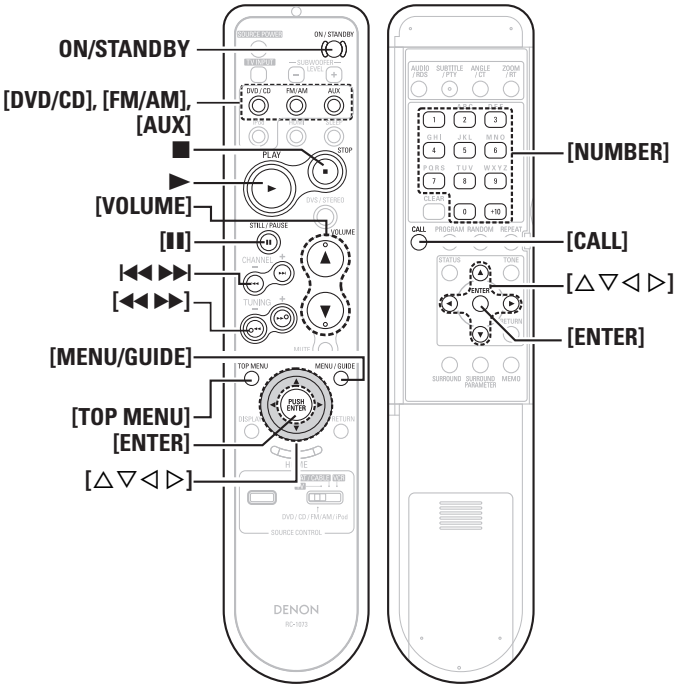
The clock is synchronized with the power supply frequency. It may be off by about 2 to 3 minutes per month.
In such cases, reset the time.

Setting the clock

① Press the ◁ ▷ button to select "TIMER SETUP" icon, then press the **ENTER** button.
② Press the **ENTER** button twice to change the current time.
③ Press the △▽◁ ▷ button to set the current time, then press the **ENTER** button.
④ Press the **ENTER** button to enter the setting.

- To check the current time when the regular display is displayed, press the **STATUS** button once.
- The time can be displayed by pressing the **STATUS** button when the power is in the standby mode. (When this is done, the set is no longer in the low power consumption standby mode.)
  When pressed twice while the time is displayed, the display turns off and the set is put back in the low power consumption standby mode.





About the button names in these explanations

< > : Buttons on the main unit

[ ] : Buttons on the remote control unit

Button name only:

Buttons on the main unit and remote control unit

Playback

Preparations

Turning the Power On

Press ON/STANDBY.

When no disc is loaded, "0h00m00s" is displayed.

When a disc is loaded, playback starts automatically. (DVD only)

Setting the power to the standby mode:

Press ON/STANDBY.

Turning the power off:

Unplug the power cord from the wall outlet.

Power indicator

Standby ·····Red **Power on** ·····Blue

When the timer is set ·····Orange

NOTE

Be sure to stop playback before turning the power off.

Loading Discs

In the stop mode, press <▲> to open the disc tray.

※ "Loading discs" (☞page 4).

※ As long as the menu is displayed on the TV screen, the disc is still turning. Be sure to stop the disc first, then open the disc tray.

To close the disc tray

Press <▲> again.

NOTE

Do not place any foreign objects in the disc tray. Doing so could damage it.

Input source switching

Press <FUNCTION> or [DVD/CD], [FM/AM] or [AUX].

When **<FUNCTION>** is pressed

IN DVD/CD → IN TUNER → IN AUX1 → IN iPod ※ ← IN Front IN ※ (Portable) ← IN AUX2 ←

When **[AUX]** is pressed

→ IN AUX1 → IN AUX2 → IN Front In (Portable) →

※ "IN iPod" and "IN Front IN" are only displayed when the corresponding device is connected.

※ When using a Control Dock for iPod, "IN AUX2" is not displayed.

[Selectable items]

DVD/CD	:	You can view/listen to DVDs or CDs.
TUNER	:	You can listen to AM or FM broadcasts.
AUX1, 2	:	You can listen to the sound or view the picture of an external device.
FRONT IN	:	You can listen to the sound of a portable player.
iPod	:	You can listen to the music of an iPod or view photo data.

Adjusting the Master Volume

Either turn <MASTER VOLUME> or press [VOLUME ▲▼].

The volume level is displayed.

※ The volume can be adjusted within the range of –60 to 0 to +18dB. Depending on the input signal, surround mode, speaker settings and channel level settings, however, it may not be possible to adjust the volume up to +18dB.

Playing a DVD/Music CD Disc

Press ►.
The "►" indicator lights and playback begins.

- For details, refer to the respective disc's instructions. Some discs may be intentionally designed by their authors to work in ways other than described in this manual.
- Before playing DVD video discs, switch the connected TV's input.

Stopping playback

Press ■.

- **Resume play memory function (DVD only)**
  With the S-102, when the ■ button is pressed, that position is stored in the memory. (At this time, "►" flashes on the display.)
  When the ► button is pressed after pressing the ■ button, playback resumes from the position at which it was stopped.

※ The resume play memory function is canceled if the disc tray is opened or the ■ button is pressed a second time.
※ The resume play memory function only works for discs for which the elapsed time is shown on the display during playback.

Stopping playback temporarily

Press <►II> or [II].
The "II" indicator lights.
※ To resume playback, press **<►II>** or **[►]**.

Fast-forwarding and fast-reversing (searching)

During playback, press [◄◄] or [►►].
The fast-forward/fast-reverse speed increases each time the button is pressed.
※ To return to normal playback, press **[►]**.

Moving to the beginning of tracks (skipping)

Press ►►I or I◄◄ during playback.
- The disc is skipped the number of chapters or tracks equal to the number of times the button is pressed.
- When pressed once in the return direction, playback returns to the beginning of the currently playing chapter or track.
- If pressed within 3 seconds after playback has started, the previous chapter is selected.

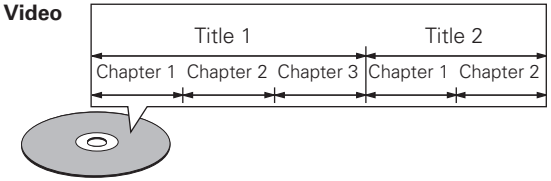
Finding tracks directly

1 During playback, use [CALL] to select the search mode.
For DVD video discs: Title ↔ Chapter

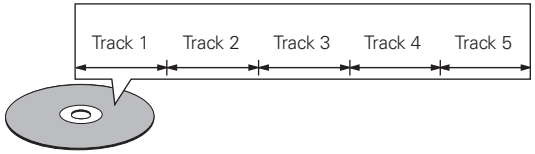
2 Press [NUMBER] (0 ~ 9, +10) to select the track.
Example : Track 4 : **[4]**
Example : Track 12 : **[+10] [2]**
Example : Track 20 : **[+10] [+10] [0]**

※ The search mode set by pressing **[CALL]** is stored in the memory until the power is turned off.

Discs are divided into a number of large sections (Title) and small sections (Chapter). Each of these sections is assigned a number.
For example:
DVD Video



Music CDs



Using the Top Menu/DVD Menu (DVD Video)

On DVDs containing multiple titles, it is possible to select and play the desired title from the top menu. Some DVDs include a special menu called the "DVD menu".

1 During playback, use [TOP MENU] or [MENU/GUIDE].

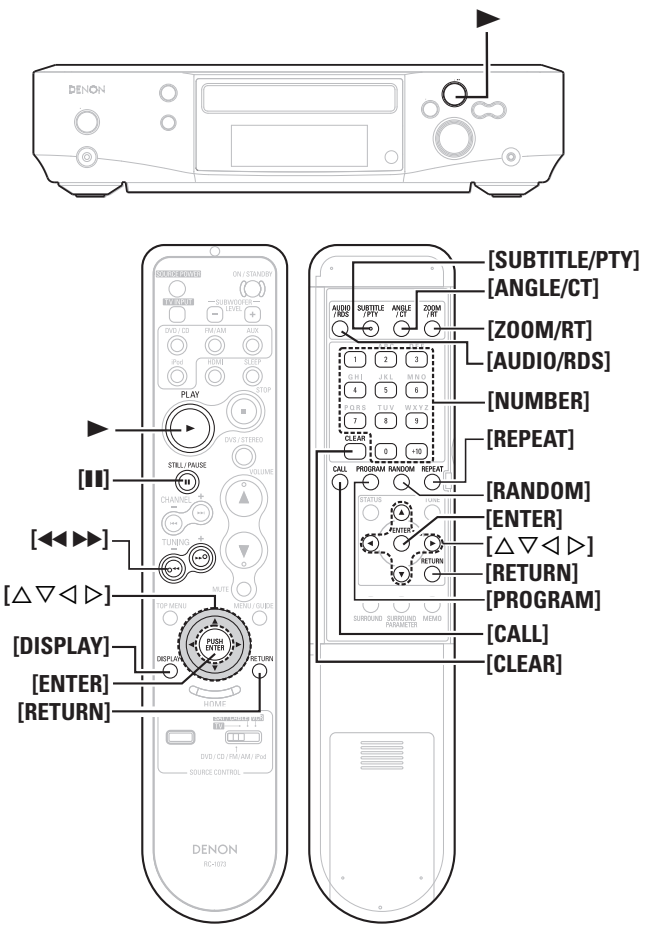
2 Use [△▽◁ ▷] to select the desired title, then press [ENTER] or ►.
Or, use [NUMBER] (0 ~ 9, +10) to select the desired title.
Playback starts.

TOP MENU	
Apple	Banana
Orange	Strawberry
Peach	Pineapple

Example : Top menu

DVD MENU
1. SUBTITLE
2. AUDIO
3. ANGLE

Example : DVD menu



About the button names in these explanations

< > : Buttons on the main unit
[ ] : Buttons on the remote control unit

Button name only:
Buttons on the main unit and remote control unit

Switching the Audio Language, Subtitle Language and Angle (DVD Video)

For DVDs containing multiple audio languages, subtitle languages and angles, the language or angle can be switched during playback.

During playback, use [AUDIO/RDS], [SUBTITLE/PTY] or [ANGLE/CT].
The language or angle switches each time the button is pressed.

- With some discs it is not possible to change the audio language during playback. In such cases, select from the "SETUP".
- The language selected in the default settings (☞page 15) is set when the power is turned on and when the disc is replaced.

Using the Playback Control Function (DVD Video)

For DVD Video on which "Includes playback control" or the like is indicated on the disc or jacket, a menu screen is displayed.
Select the item you want to see, then start playback.

Select the item you want to see using [△▽◁ ▷], then press [ENTER] or ►.
Or, use [NUMBER] (0 ~ 9, +10) to select the desired title.
Playback starts.

Example :

1. Opening
2. 1st movement
3. 2nd movement
4. 3rd movement
5. Ending

To return to the menu screen

During playback, press [RETURN].

Playing Frame by Frame (DVD Video)

In the still mode, press [▮▮] on the remote control unit.
The picture moves forward one frame each time the button is pressed.
※ Press ► to return to normal playback.

Slow Playback (DVD Video)

In the still mode, press [◀◀] or [▶▶] on the remote control unit.
When pressed again, the slow play speed increases.
※ Press ► to return to normal playback.

Playing in the Zoom Mode (DVD Video)

1 **During playback or still mode, press [ZOOM/RT].**
OFF → ×1.5 → ×2 → ×4 →

2 **Press [△▽◁ ▷].**
Move the zoomed picture.

- The zoom function may not work properly at some scenes.
- Zooming is not possible with some discs.
- Zooming is not possible at the top menu or the menu screen.

Playing Repeatedly <Repeat playback> (DVD Video/Music CD)

During playback, press [REPEAT].
Playback in the respective repeat mode starts.

※ **DVD video discs:**
Chapter repeated ("↻1" lights on the display)
→ Title repeated ("↻" lights on the display)
→ Repeat playback cancelled (indicator turns off) →

※ **Music CD discs:**
Track repeated (↻1)
→ Disc repeated (↻) → Repeat playback cancelled →

Playing Tracks in the Desired Order <Program> (Music CD)

Up to 20 tracks can be programmed.

1 **In the stop mode, press [PROGRAM].**
The "PROG" indicator lights.

2 **Use [NUMBER] (0 ~ 9, +10) to select the traks.**

※ **Example :** To program tracks 3, 12, 7 to play in that order:
[3] [+10] [2] [7]

3 **Press ►.**

Checking the order of the programmed tracks

In the stop mode, press [CALL] repeatedly.
The track numbers are displayed in the programmed order each time the button is pressed.

Clearing programmed tracks one track at a time

In the stop mode, press [CLEAR].
The last track programmed is cleared each time the button is pressed.

Clearing the last programmed track

In the stop mode, press [PROGRAM].
The "PROG" indicator turns off.

Playing Random Order <Random playback> (Music CD)

1 **In the stop mode, press [RANDOM].**
The "RAND" indicator lights.

2 **Press ►.**
The tracks start playing in random order.

Canceling random playback

In the stop mode, press [RANDOM].
The "RAND" indicator turns off.

Playing Music Files

Before Playing MP3 or WMA Files

There are many music distribution sites on the Internet allowing you to download music files in MP3 or WMA (Windows Media® Audio) format. The music (files) downloaded from such sites can be stored on CD-R or CD-RW discs and played on the S-102.

"Windows Media" and "Windows" are registered trademarks or trademarks in the United States and other countries of Microsoft Corporation of the United States.

Creating MP3 and WMA Files Compatible with the S-102

- Writing software format: "ISO9660 level 1".
  See the writing software's instructions.
- Compatible: ID3-Tag (Ver.1 or 2), meta-tag.
- Incompatible: Packet write, playlists.
- Displayable characters: "Hankaku" English letters and numbers, capital letters and _ (underscore).
  No. characters displayable: 256
- When Playing MP3 or WMA Files, the digital output is converted to PCM. The signals are output with the same sampling frequency as when they were written.
- The positions of the folders or files may have been changed by the writing software when burning the MP3/WMA files onto the CD-R/CD-RW disc, so the files may not play in the expected order.
- Copyright-protected files cannot be played. Note that depending on the software used for burning and other conditions, some files may not play or display correctly.

Playable MP3/WMA file			
File format	**Sampling frequency (kHz)**	**Bit rate (kbps)**	**Extension**
MP3	32, 44.1, 48	32 ~ 320	.MP3
WMA	32, 44.1, 48	64 ~ 160	.WMA

Playing MP3 or WMA Files

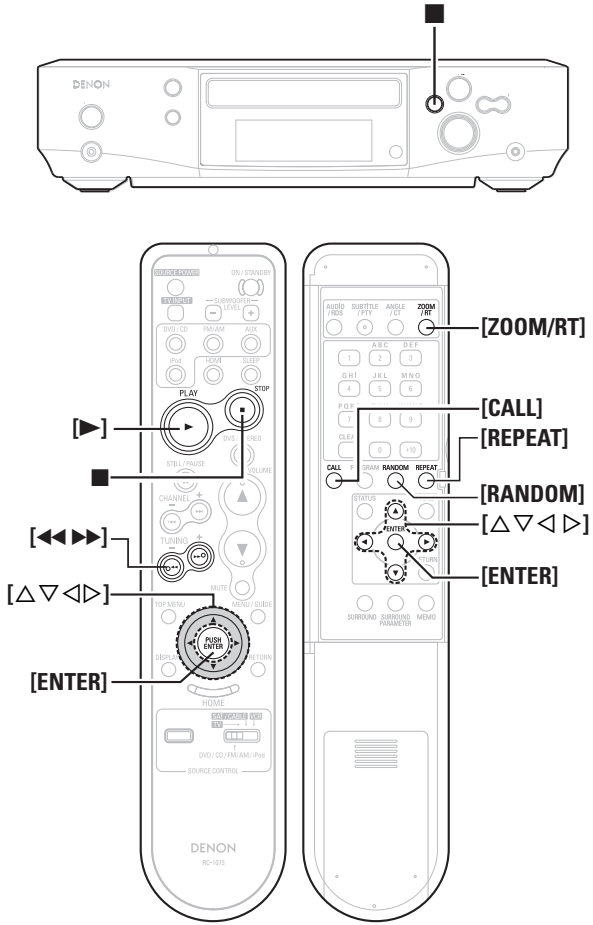
1 **Load a CD-R or CD-RW disc containing music files in the MP3 or WMA format into the disc tray (☞page 4).**

2 **Select the folder you want to play using [△▽], then press [ENTER].**

3 **Select the file you want to play using [△▽], then press [ENTER] or ►.**
Playback starts.

Switching the time display

During playback, press [DISPLAY].
※SINGLE ELAPSED (Elapsed time of currently playing track)
→ SINGLE REMAIN (Remaining time of currently playing track) →



About the button names in these explanations

< > : Buttons on the main unit
[ ] : Buttons on the remote control unit

Button name only:
Buttons on the main unit and remote control unit

Changing the play mode

FOLDER:
Playing all the files in the selected folder in order

FOLDER REPEAT:
Playing all the files in the selected folder repeatedly

RANDOM ON:
Playing all the files in the selected folder in random order

TRACK REPEAT:
Playing only the selected file repeatedly

Setting random playback using the remote control unit

In the stop mode, press **[RANDOM]** , then press **[►]** or **[ENTER].**
The "RAND" indicator lights and random playback begins.

※ The way in which the files are played in random order depends on the selected play mode.

Setting repeat playback using the remote control unit

During playback, press **[REPEAT]** , then press **[►]** or **[ENTER].**

※ TRACK REPEAT → FOLDER REPEAT → FOLDER (Repeat off)

Programmed playback is not possible on discs containing MP3/WMA files.

Playing Still Picture Files (JPEG format)

Still picture files in JPEG format recorded on CD-R/CD-RW discs, picture CDs and Fujicolor CDs can be played as slide shows on the S-102.

Creating JPEG Files Compatible on the S-102

- Writing software format: "ISO9660 level 1". See the writing software's instructions.
- Displayable characters: "Hankaku" English letters and numbers, capital letters and _ (underscore).
- JPEG files written on Macintosh computers cannot be played.
- The order in which the JPEG files are played may differ from the order you expect because the writing software may change the position of the folders or files when writing them on the CD-R/CD-RW disc.
- Depending on the writing conditions and software, it may not be possible to play or properly display some files.

Playable JPEG file	
Resolution (pixel)	**Extension**
0000×0000 ~ 2048×1536	.JPG/.JPE

Playing JPEG Files

Operate in the same way as described at "Playing MP3 or WMA Files" (☞page 23).

Changing the folder or file to be played

"Playing MP3 or WMA Files" (☞page 23)

Changing the play mode

"Playing MP3 or WMA Files" (☞page 24)

Changing the orientation of the picture

During playback or still mode, press **[△▽◁ ▷]**.

△: Invert vertically

▽: Invert horizontally

◁: Rotate 90° counterclockwise

▷: Rotate 90°clockwise

Play the image in the zoom mode

During playback or still mode, press **[ZOOM/RT]**.

◄◄: zoom out

►►: zoom in

※ Press **[△▽◁ ▷]** (to move the zoomed picture).

※ Continuous playback (SLIDE SHOW) is not possible in the zoom mode.

The way of switching to the next image during continuous JPEG image playback (SLIDE SHOW) can be selected

During playback, press **[CALL]**.

SLIDE SHOW MODE: 1 to 11 → RANDOM → OFF

Playing Picture CD/Fujicolor CD

The S-102 can play Kodak Picture CDs and Fujifilm Fujicolor CDs so you can view the photographs stored on them on a TV screen.

※ Picture CDs are CDs containing photographs taken on conventional silver film cameras which have been converted into digital data. For details on Kodak Picture CDs and Fujicolor CDs, please contact a store offering film development services.

"KODAK" is a trademark of Eastman Kodak Company.
"FUJICOLOR CD" is a trademark of Fuji Photo Film Co, Ltd.

Load the picture CD or Fujicolor CD in the disc tray.

Playback of the still pictures starts automatically.

※ The pictures are played repeatedly until ■ is pressed.

Enjoying Surround Sound

Dolby Digital, DTS and other multi-channel sources, CD, video and other 2-channel sources can be played with similar atmospherics to the cinema.

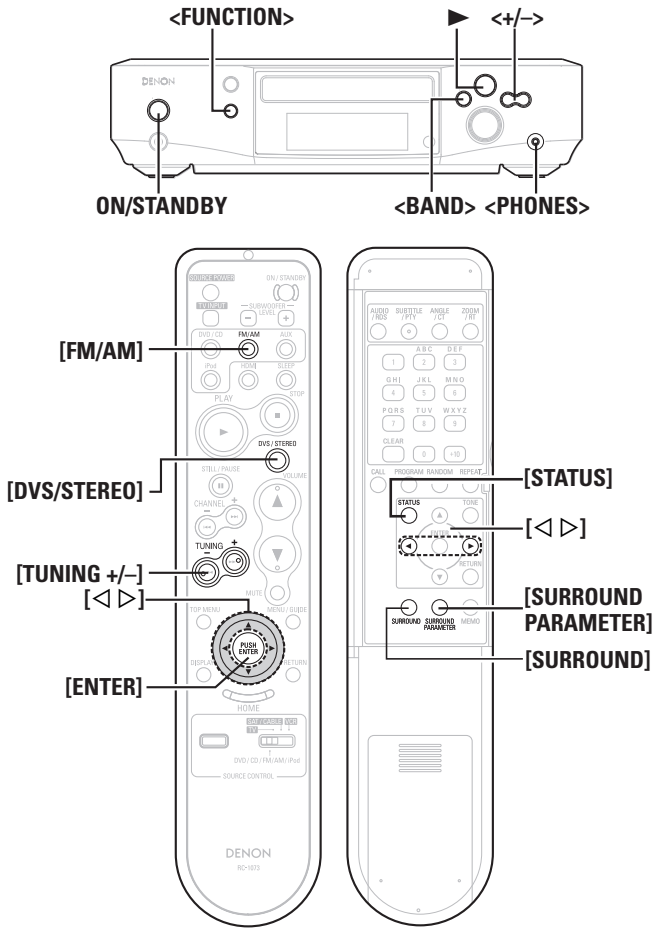
[Connection procedure]

① Turn on the power of the S-102 and TV.
("Turning the Power On" (☞page 20), TV operating instructions)
② Switch the TV's input.
(TV operating instructions)
③ Switch the input source (☞page 20).
④ Set the input mode.
⑤ Select the surround mode.
⑥ Play the source.
⑦ Set the surround parameter (☞page 26).
⑧ Adjust the volume (☞page 20).

Set the Input Mode

When the input source is set to "DVD/CD" or "AUX", the input mode can be switched ("Audio setup", "Input mode" ☞page 17, 20).

- When playing CDs containing live recordings, etc., in the "auto" mode, the sound may be slightly broken when starting playback. If so, play in the "PCM" mode.
- When playing DTS sources in the "AUTO" mode, there may be noise when starting playback or searching. If so, play in the "DTS" mode.
- When playing DTS-compatible CDs in the "PCM" mode, noise is output. When playing DTS-compatible sources, be sure to do so in the "auto" or "DTS" mode.



About the button names in these explanations

< > : Buttons on the main unit
[ ] : Buttons on the remote control unit

Button name only:
Buttons on the main unit and remote control unit

Selecting Surround Mode

Press [SURROUND] to select the surround mode.

DOLBY VS REF. → DOLBY VS WIDE
JAZZ CLUB ← ROCK ARENA ← STEREO

※ The "DOLBY VS REF. (WIDE)" and "STEREO" modes can also be selected by pressing **[DVS/STEREO]**.

[Selectable items]

DOLBY VS REF.

(Dolby Virtual Speaker reference mode):
This is the standard mode for experiencing 5.1-channel surround sound with only speakers for the two front channels.

DOLBY VS WIDE

(Dolby Virtual Speaker wide mode):
The Dolby Virtual Speaker mode's front channel sound field is expanded.

DOLBY H/P **(Dolby Headphone mode):**
This is the surround mode for playing with headphones.
A surround sound field is played with regular headphones.

DOLBY H BYPAS **(Dolby Headphone bypass mode):**
The sound is played in the normal stereo mode rather than the surround mode when playing with headphones.

STEREO :
Sound is played in the direct or stereo mode.

ROCK ARENA :
This is an original DENON surround mode.
It achieves the atmosphere of a live concert in an arena with reverberations circling in from the sides.

JAZZ CLUB :
This is an original DENON surround mode.
This achieves the atmosphere of a live concert hall with a low ceiling surrounded by hard walls, as if the artist were playing very close to you.

The "ROCK ARENA" and "JAZZ CLUB" modes may not achieve very strong effects, depending on the source being played. In this case, try other surround modes, without worrying too much about their names.

Set the Surround Parameter

Use [SURROUND PARAMETER] to display the various surround parameters, then select with [◁ ▷].
After several seconds, the display returns to normal and the parameters you have set are entered automatically.

[Selectable items]

D.COMP **(Dynamic range compression):**
Optimized setting for late-night listening.
D.COMP only works when playing program sources record in Dolby Digital or DTS.

LFE **(Low Frequency Effect):**
This sets the level of the subwoofer reproducing the low bass signals.
※ Recommended level
When playing Dolby Digital software: 0 dB
When playing DTS movie software: 0 dB
When playing DTS music software: -10 dB

CINEMA :
When the Dolby Headphone mode is selected, analog, PCM or other 2-channel sources are decoded in the Dolby Pro Logic II Cinema mode and transformed into multiple channels for playback.

MUSIC :
When the Dolby Headphone mode is selected, analog, PCM or other 2-channel sources are decoded in the Dolby Pro Logic II Music mode and transformed into multiple channels for playback.

Playing Dolby Digital/DTS Multi-Channel Sources (Digital input only)

1 **Switch the input source (☞page 20).**
(DVD and AUX1 digital input)

2 **Use [SURROUND] to select the "DOLBY VS REF" or "DOLBY VS WIDE".**
The " DD VS " indicator lights.

3 **Play sources with the DOLBY DIGITAL or dts mark sources.**
The "DD D" or "dts " indicator lights, depending on the playback source's signal format.

4 **Use [SURROUND PARAMETER] to display the various surround parameters, then select with [◁ ▷].**

[Selectable items] D.COMP LFE

Playing Dolby Digital/PCM/Analog 2-Channel Sources

1 **Switch the input source (☞page 20).**

2 **Use [SURROUND] to select the "DOLBY VS REF" or "DOLBY VS WIDE".**
The "DD VS" indicator lights.

3 **Play sources with the DOLBY DIGITAL mark.**
The "DD D" indicator lights, depending on the playback source's signal format.

4 **Use [SURROUND PARAMETER] to display the various surround parameters, then select with [◁ ▷].**

[Selectable items] D.COMP LFE

To check the currently playing source and various settings

In the stop mode, press **[STATUS]**.

※ The playback source and the various surround settings are shown on the display each time the button is pressed.

Listening in the Dolby Headphone Mode

1 **Switch the input source (☞page 20).**
Plug the headphones (sold separately) into the <PHONES> jack.
The sound from the speakers is automatically cut off.

2 **Press [SURROUND] to select the "DOLBY H/P".**
The "DD H" indicator lights.

3 **Play the source.**

4 **Use [SURROUND PARAMETER] to display the various surround parameters, then select with [◁ ▷].**

[Selectable items]

D.COMP LFE CINEMA MUSIC

NOTE

Be careful not to set the volume too high when using headphones.

Listening to Radio Broadcasts

Tuning in Broadcast Stations

1 **Press <FUNCTION> or [FM/AM] to select "TUNER".**

2 **Use <BAND> or [FM/AM] to select the reception band.**

→ FM AUTO → FM MONO → AM →

3 **Use <+/–>, [TUNING +/–] or [◁ ▷] to select the reception frequency.**
When a station is received, the "TUNED" indication will light.

A humming sound may be heard when using a TV nearby while receiving AM programs. If this happens, move the system as far from the TV as possible.

Display of the FM broadcast reception status

- When the reception band mode is set to "FM AUTO" and a stereo broadcast is tuned in, the "ST" indicator lights.
- If the signal is weak and stable stereo reception is not possible, set the reception band mode to "FM MONO" and receive the program in monaural. The "MONO" indicator lights.

Main unit <+/–> button

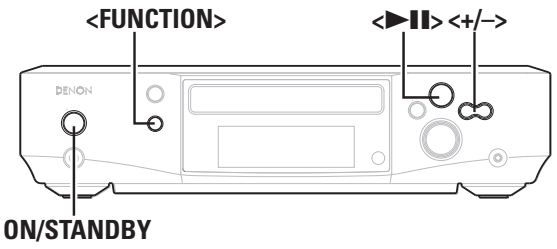
There are two, switchable modes fo **<+/–>** the tuning mode for setting the reception frequency (setting upon purchase), and the preset mode for selecting the preset broadcast station.

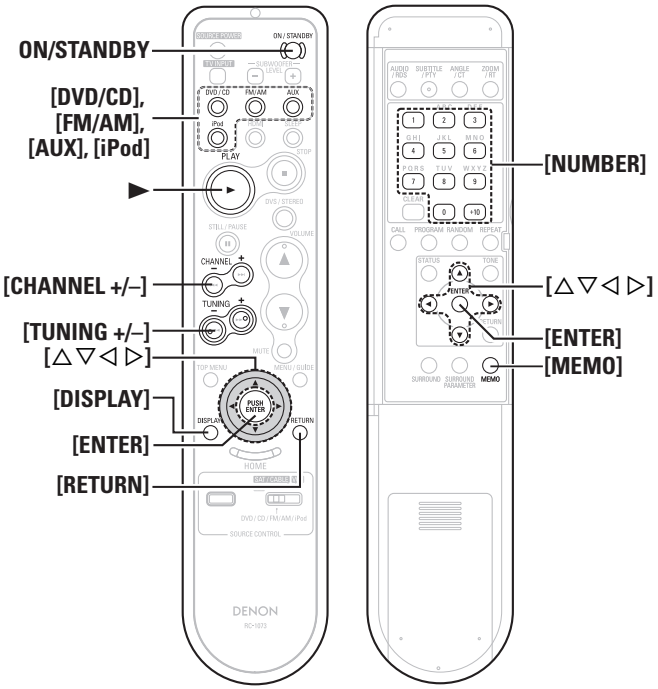
❏ **Switching the preset mode**
Pressing **<+>** while pressing in **<BAND>**.
"PRESET" is flashes for approximately 5 seconds.

❏ **Switching the tuning mode**
Pressing **<–>** while pressing in **<BAND>**.
"TUNING" is flashes for approximately 5 seconds.

Auto tuning

When **[TUNING +/–]** or **[◁ ▷]** is pressed and held in, the set automatically starts searching for a broadcast station.
※ Stations whose signal is weak cannot be tuned in.





About the button names in these explanations

< > : Buttons on the main unit

[ ] : Buttons on the remote control unit

Button name only:

Buttons on the main unit and remote control unit

To stop the auto tuning

Press **[TUNING +/–]** or **[◁ ▷]**.

Manual tuning

The reception frequency changes each time **[TUNING +/–]** or **[◁ ▷]** is pressed.

Naming the Currently Tuned in Broadcast Station and Presetting it

Up to 60 stations (total for AM and FM) can be preset.
Names of up to 8 characters can be input.

1 **Tune in the broadcast station**

2 **Press [MEMO] twice.**
The name input mode is set.

3 **Use [△▽] to select the character, then press [ENTER].**

※ Characters that can be input.

A to Z, 0 to 9 + **[CALL]** for small letters
! " # $ % & ' ( ) * + , – . / : ; < = > ? @ [\ ] ^ _ { ¦ } (space)

※ Press **[◁ ▷]** to move the cursor.
Use this to correct input characters.
※ To cancel character input, press **[MEMO]**.
Everything that has been input is canceled.

4 **Once you are finished inputting, press [ENTER].**
"P0 –" flashes on the preset number display.

5 **Use [△▽] to select the number, then press [ENTER]. Or use [NUMBER] (0 ~ 9, +10) to select the number.**
The preset number, reception band and reception frequency are displayed, then the name of the broadcast station appears.

Changing the broadcast station name

①Call out the preset name you want to change, then press **[MEMO]** twice.
②Perform steps 3 and 4 at "Naming the currently tuned in broadcast station and presetting it".

To only preset

①Press **[MEMO]** while the broadcast station is tuned in.
②Select the number using **[△▽]**, then press **[ENTER]**.
Or use **[NUMBER]** (**0** ~ **9**, **+10**) to select the number.

NOTE

If a station is preset at a number that has already been preset, the old settings are deleted and replaced with the new settings.

Automatically Presetting FM Stations (Auto preset)

Up to 60 stations can be preset.

1 **Press <FUNCTION> or [FM/AM] to select "TUNER".**

2 **Press and hold in <►II>.**
"AUTO PRESET?" and "–NO/ +START" are displayed alternately.
※ Press **<–>** to cancel auto presetting.

3 **Press <+>.**
"SEARCH" flashes, then "COMPLETED" is displayed.

- Broadcast stations whose antenna signal is weak cannot be preset automatically. If you wish to preset such stations, tune them in manually, then perform the operation at "Naming the currently tuned in broadcast station and presetting it".
- Once auto presetting starts, it cannot be canceled (it takes about 60 seconds to be completed).

Listening to Preset Stations

Use <+/–>, [CHANNEL] or [NUMBER] (0 ~ 9, +10) to select the preset number.

※ Operate **<+/–>** after switching to the preset mode (☞page 27).

iPod® Playback

With the S-102, you can listen to music or view photo data on an iPod. It is also possible to operate the iPod from the main unit or remote control unit.

Made for iPod

iPod is a trademark of Apple Inc., registered in the U.S. and other countries.

※ The iPod may only be used to copy or play contents that are not copyrighted or contents for which copying or playback is legally permitted for your private use as an individual. Be sure to comply with applicable copyright legislation.

NOTE

- DENON will accept no responsibility whatsoever for any loss of iPod data.
- Depending on the type of iPod and the software version, some functions may not operate.

Listening to Music

1 Press <FUNCTION> or [iPod] to select "iPod".

2 Turn on the TV's power. Set the TV's input function to the S-102 input.

3 Press ►.
Playback starts.

※ Also read the iPod's operating instructions.

Switching the S-102's display (FL)

During playback, press **[DISPLAY]**.
The display switches each time the button is pressed.

Title name → Album title → Artist name → Elapsed time → Remaining time →

In the browse mode, when "Songs" is selected from the "TOP MENU" while a track is playing, the track stops.

Viewing Still Pictures (Only for iPods Equipped with the Photo Function)

1 Press <FUNCTION> or [iPod] to select "iPod".

2 Turn on the TV's power. Set the TV's input function to the S-102 input.

3 Press [RETURN] to select the "Remote iPod".
The iPod's display menu is displayed.

4 Watching the iPod's display, press [△▽] to select the "Photos".

5 Press [ENTER].
The iPod's photographs are displayed on the TV monitor.

When an iPod is connected and a slide show is playing, the iPod is not charged. Charge it ahead of time.

Disconnecting the iPod

Set the S-102's power to the standby mode using ON/STANDBY.

It is also possible to use **<FUNCTION>**, **[DVD/CD]**, **[FM/AM]** or **[AUX]** to switch the input source to something other than "iPod" then disconnect the iPod.

Remote control and iPod button relations

Remote control unit buttons	iPod buttons	Operation on the S-102
►	►II	Play the track. ※ Play/Pause in remote mode
II	►II	Pause the track.
I◄◄, ►►I	I◄◄, ►►I	Play the track from the beginning/ Play the next track.
◄◄, ►►	◄◄, ►►	Fast-reverse the track/Fast-forward the track.
◁, ▷, △, ▽	Click Wheel	Select an item.
ENTER	Select	Enter the selection or plays the track.
RETURN	–	Switch between the browse mode and the remote mode.
REPEAT	–	Switch the repeat function.
RANDOM	–	Switch the shuffle function.
MENU/GUIDE	MENU	Display the menu or return to the previous menu. ※ In remote mode, the iPod backlight goes off when you press Play/Pause for an extended period.

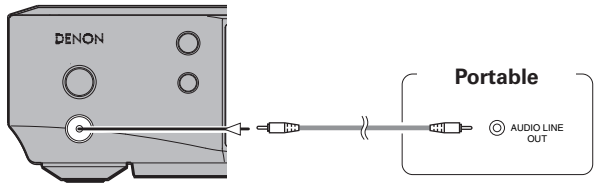
Playing a Portable Audio

Your portable audio player can be connected to the S-102's portable jack to play tracks on the portable audio player.

1 Press <FUNCTION> or [AUX] to select "Front in".

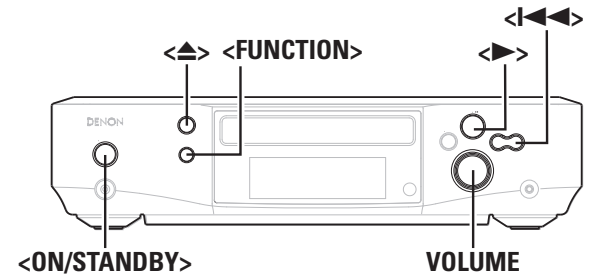
2 Play the portable audio player.
The Portable Audio are output.

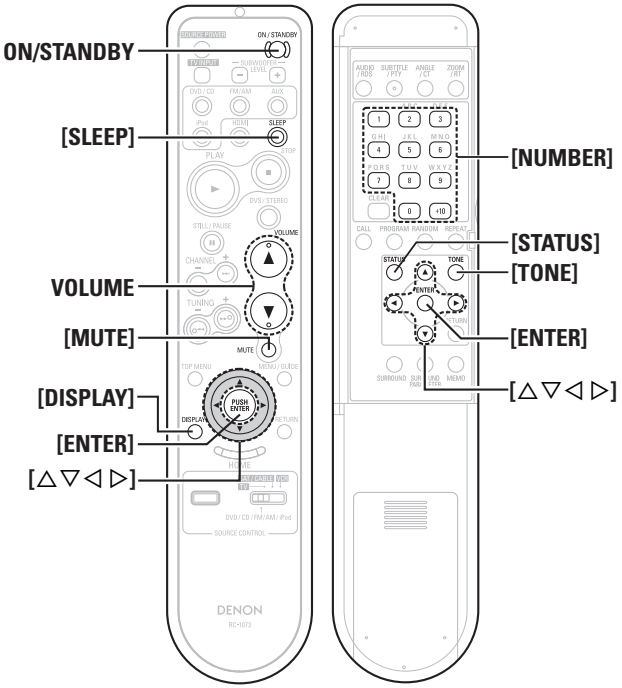
※ Also read the portable audio player's operating instructions.



Connect the S-102 and portable audio player using a separately sold mini-stereo audio cable.

Advanced Operation





About the button names in these explanations

< > : Buttons on the main unit

[ ] : Buttons on the remote control unit

Button name only:

Buttons on the main unit and remote control unit

On-Screen Display

Using the Disc Information Screen (DVD Video/Music CD)

It is possible to display information on the disc (titles, chapters, tracks and times) and to specify the position to be played.

1 **During playback, [DISPLAY].**

2 **Use [◁ ▷] to select the "", then use [△▽] to select the item you wish to change.**

Specifying the title, chapter or track

After selecting "Title", "Chapter" or "Track", use **[NUMBER] (0 ~ 9, +10)** to select the number.

For DVD Video discs, also press **[ENTER]**.

- Playback starts from the specified position.

To specify the elapsed time

① After selecting the elapsed time display, use **[DISPLAY]** to select the time display to be specified.

② Input the time using **[NUMBER] (0 ~ 9, +10)**, then press **[ENTER]**.

Example : To specify 1 hour, 32 minutes and 47 seconds
Press **[1] [3] [2] [4] [7].**
To specify 1 minutes and 26 seconds
Press **[0] [0] [1] [2] [6].**

- Playback starts from that tracks.

For some discs it may not be possible to specify the time.

Closing the disc information screen

Press [DISPLAY] again.

Using the Multi-Function Screen (DVD Video)

The audio language, subtitle language and angle can be switched.

1 **During playback, [DISPLAY].**

2 **Use [◁ ▷] to select the "", then use [△▽] to select the item you wish to change.**

3 **Use [NUMBER] (0 ~ 9, +10) to select the number.**
Playback starts with the specified settings.

- For some discs, it may not be possible to switch the audio or subtitle language during playback. In this case select "Audio" or "Subtitle" (☞page 22).
- When the power is turned on or the disc is changed, the disc is played with the languages set at "Audio" or "Subtitle" (☞page 22).

Closing the multi-function screen

Press [DISPLAY] again.

Setting the Sleep Timer

Use this function to automatically switch the power to the standby mode after a specific amount of time (minutes).

1 **Set the current time (☞page 19).**

2 **During playback, use [SLEEP] to select the time.**
The "SLEEP" indicator flashes.

→120 →90 →60 → 50 →40 →30 →20 →10 →
Turns off

※ After about 4 seconds, the "SLEEP" indicator stops flashing, remaining lit, and the settings are automatically entered.

3 **The power is set to the standby mode after the set amount of time.**

Canceling the sleep timer

Press **[SLEEP]** until the "SLEEP" indicator turns off.

※ The sleep timer can also be canceled by setting the S-102's power to the standby mode using **ON/STANDBY**.

Checking the time remaining until the sleep timer starts

In the stop mode, press **[STATUS]**.
The time is displayed.

※ The time can be displayed by pressing **[STATUS]** when the power is in the standby mode. (When this is done, the set is no longer in the low power consumption standby mode.)
When pressed twice while the time is displayed, the display turns off and the set is put back in the low power consumption standby mode.
If the sleep timer and everyday timer settings overlap, the sleep timer has priority.

Other Functions

Adjusting the Tone

1 **Select the adjustment mode using [TONE].**

→ BASS → TREBLE → DEFEAT →

2 **With the name of the item to be adjusted selected, press [◁ ▷] to adjust the level.**

[Selectable mode]

BASS :
Adjusts the bass sound (–10 dB to +10 dB).

TREBLE :
Adjusts the treble sound (–10 dB to +10 dB).

DEFEAT :
The tone adjustment circuitry can be bypassed to achieve high sound quality. "0dB"

If no operation is performed within 4 seconds, the display switches back to what was previously displayed.

Turning the Sound Off Temporarily (Muting)

Press [MUTE].

To cancel, either press **[MUTE]** again or adjust the volume using **VOLUME**.

Convenient Functions

Personal Memory Plus Function

This function sets the settings (input mode, surround mode, etc.) last selected for the individual input sources.
When you switch to an input source, the settings are automatically set to the ones that were set the last time that input source was used.

The surround parameters, tone adjustment and the volumes of the different speakers are stored for the individual surround modes.

Last Function Memory

This stores the settings as they were directly before the standby mode was set.
When the power is turned back on, the settings are restored to as they were directly before the standby mode was set.

Backup Memory

The various settings are backed up for about 1 week, even if the power is turned off or the power cord is disconnected.

Auto Power On

When the power is in the standby mode, the power turns on simply by pressing <⏏> or <►>.

Resetting the Microprocessor

Perform this procedure if the display is abnormal or if operations cannot be performed.
When the microprocessor is reset, all the settings are reset to their default values.

1 **Set the standby mode using <ON/STANDBY>.**

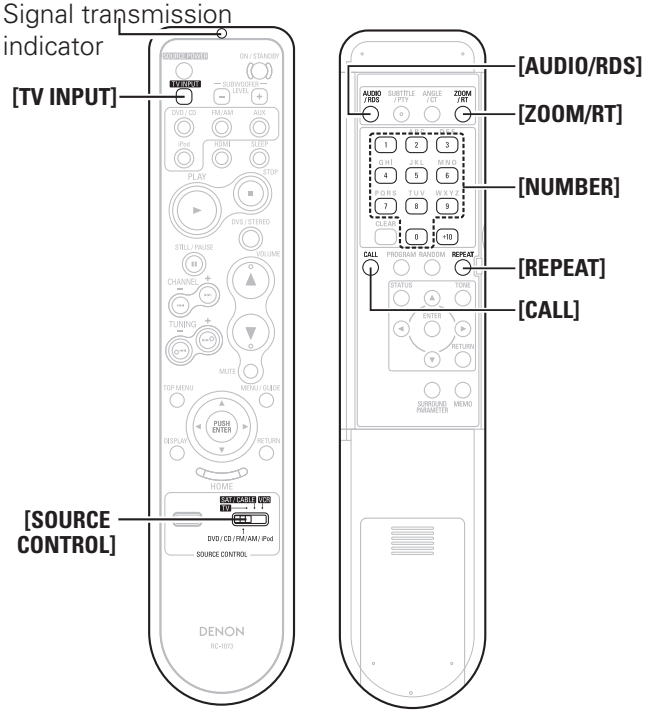
※ Set to the standby mode and wait 5 seconds.

2 **Press <ON/STANDBY>while simultaneously pressing <FUNCTION> and <I◄◄>.**

3 **Release the three buttons when "INITIALIZE" is displayed.**

If in step 3 the display does not flash at intervals of about 1 second, start over from step 1.

Remote Control Unit Operations



About the button names in these explanations

< > : Buttons on the main unit
[ ] : Buttons on the remote control unit

Button name only:
Buttons on the main unit and remote control unit

Setting the preset memory function

DENON and other makes of components can be operated by setting the preset memory.
This remote control unit can be used to operate components of other manufacturers without using the learning function by registering the manufacturer of the component as shown in the list of preset codes (☞End of this manual).

1 **Set [SOURCE CONTROL] to the component to be registered.**

2 **Press [AUDIO/RDS] and [ZOOM/RT] at the same time.**
The indicator starts flashing.

3 **Referring to the included list of preset codes (☞End of this manual), press [NUMBER] (0 ~ 9) to input the preset code (a 3-digit number) for the manufacturer of the component whose signals you want to store in the memory.**

4 **To store the codes of another component in the memory, repeat steps 2 to 3.**

- The signals for the pressed buttons are emitted while setting the preset memory. To avoid accidental operation, cover the remote control unit's transmitting window while setting the preset memory.
- Depending on the model and year of manufacture, this function cannot be used for some models, even if they are of makes listed in the list of preset codes.
- Some manufacturers use more than one type of remote control code. Refer to the included list of preset codes to change the number and verify correct operation.
- Operation is not possible for some models.

Operating a component stored in the preset memory

1 **Set [SOURCE CONTROL] to the component you want to operate.**

2 **Operate the component.**

※ For details, refer to the component's operating instructions.
※ Some models cannot be operated with this remote control unit.

Setting the punch through function

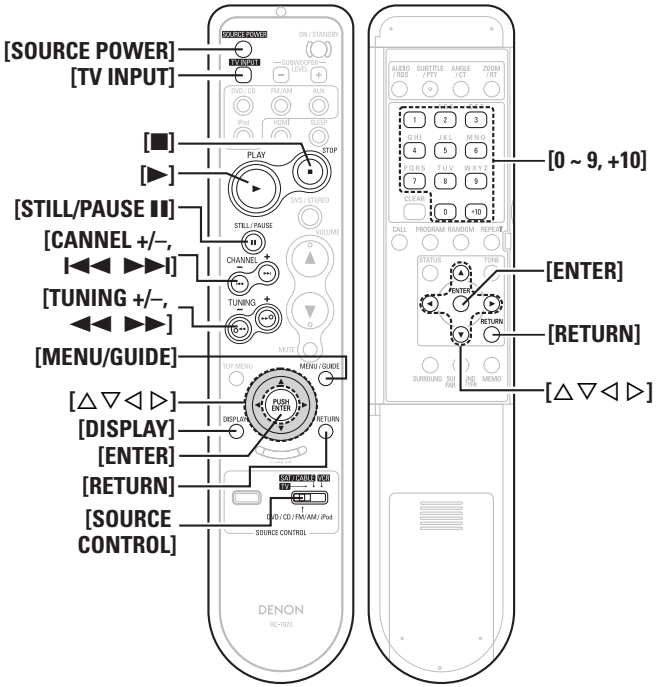
"Punch Through" is a function allowing you to operate **[SOURCE CONTROL]** and **[TV INPUT]** on "TV", "SAT/CABLE" or "VCR" components when in the "DVD / CD / FM/AM / iPod" mode. By default, nothing is set.

1 **Set [SOURCE CONTROL] to the component to be registered (DVD / CD / FM/AM / iPod).**

2 **Press [CALL] and [REPEAT] at the same time.**
The indicator starts flashing.

3 **Input the number of the component you want to set.**

	Number
TV	1
SAT/CABLE	2
VCR	3
No setting	0



Functions of Buttons by Component

[Front]

Device operated	DVD/CD	iPod	TUNER	TV	Satellite Receiver, Cable TV	Video cassette recorder
SOURCE CONTROL	**DVD / CD / FM/AM / iPod**	**DVD / CD / FM/AM / iPod**	**DVD / CD / FM/AM / iPod**	**TV**	**SAT/CABLE**	**VCR**
SOURCE POWER	Punch through	Punch through	Punch through	Power on / off	Power on / off	Power on / off
TV INPUT	Punch through	Punch through	Punch through	Input mode selection	Input mode selection	Input mode selection
DISPLAY	Display	Display	–	Display	Display	–
▶	Playback	Playback	DVD/CD Playback Auto Preset (Hold)	–	–	Playback
■	Stop	–	–	–	–	Stop
STILL / PAUSE ❚❚	Still / Pause	Still / Pause	–	–	–	Pause
I◀◀ ▶▶I, CHANNEL + / –	Auto search (cue)	Auto search (cue)	Switch channels	Switch channels	Switch channels	Switch channels
◀◀ ▶▶, TUNING + / –	Manual search (fast-reverse/fast-forward)	Manual search (fast-reverse/fast-forward)	Tuning	–	–	Search (reverse, forward)
MENU/GUIDE	Menu / Guide	Menu	–	Menu / Guide	Menu	–
△ ▽ ◁ ▷	Cursor	Cursor	Cursor	Cursor	Cursor	–
ENTER	Enter	Enter	Enter	Enter	Enter	–
RETURN	–	Browse/Remote	–	–	Return	–
Special remarks	①, ②	①, ②	①, ②	①	①	①

[Rear]

Device operated	DVD/CD	iPod	TUNER	TV	Satellite Receiver, Cable TV	Video cassette recorder
SOURCE CONTROL	**DVD / CD / FM/AM / iPod**	**DVD / CD / FM/AM / iPod**	**DVD / CD / FM/AM / iPod**	**TV**	**SAT/CABLE**	**VCR**
0 ~ 9, +10	Number input / Track selection	–	Channel selection	Channel selection	Channel selection	Channel selection
△ ▽ ◁ ▷	Cursor	Cursor	Cursor	Cursor	Cursor	–
ENTER	Enter	Enter	Enter	Enter	Enter	–
RETURN	–	Browse/Remote	–	–	Return	–
Special remarks	①	①	①	①	①	①

[Special Remarks]

① Only one component can be preset for each mode. If a new code is preset, the previous code is automatically cleared.

② The TV, SAT/CABLE or VCR buttons can be assigned to a DVD, CD, FM/AM or iPod (☞ page 34).

Other Information

Surround

The S-102 is equipped with a digital signal processing circuit that lets you play program sources in the surround mode to achieve the same sense of presence as in a movie theater.

Dolby Surround

Dolby Digital

Dolby Digital is a multichannel digital signal format developed by Dolby Laboratories.
A total of 5.1-channels are played: 3 front channels ("FL" , "FR" and "C"), 2 surround channels ("SL" and "SR") and the "LFE" channel for low frequencies.
Because of this, there is no crosstalk between channels and a realistic sound field with a "three-dimensional" feeling (sense of distance, movement and positioning) is achieved.
A real, overpowering sense of presence is achieved when playing movie sources in AV rooms as well.

Dolby Pro Logic Ⅱ

Dolby Pro Logic Ⅱ is a matrix decoding technology developed by Dolby Laboratories.
Regular music such as that on CDs is encoded into 5-channels to achieve an excellent surround effect.
The surround channel signals are converted into stereo and full band signals (with a frequency response of 20 Hz to 20 kHz or greater) to create a "three-dimensional" sound image offering a rich sense of presence for all stereo sources.

※ Sources recorded in Dolby Surround

Sources recorded in Dolby Surround are indicated with the following logo marks.
Dolby Surround support mark : DOLBY SURROUND

Manufactured under license from Dolby Laboratories.
"Dolby", "Pro Logic" and the double-D symbol are trademarks of Dolby Laboratories.

DTS Surround

DTS Digital Surround

DTS Digital Surround is the standard digital surround format of DTS, Inc., compatible with a sampling frequency of 44.1 or 48 kHz and up to 5.1-channels of digital discrete surround sound.

Manufactured under license under U.S. Patent #'s: 5,451,942; 5,956,674; 5,974,380; 5,978,762; 6,487,535 & other U.S. and worldwide patents issued & pending. DTS is a registered trademark and the DTS logos, Symbol and DTS Virtual are trademarks of DTS, Inc. © 1996-2007 DTS, Inc. All Rights Reserved.

Dolby Headphone

Dolby Headphone is a 3D sound technology developed jointly by Dolby Laboratories and Lake Technology of Australia achieving surround sound with regular headphones.
Dolby Headphone simulates speaker playback in a room and positions the sound sources to the front or the sides, outside of the head, achieving a powerful sound similar to that of a movie theater or home theater.

Dolby Virtual Speaker

Dolby Virtual Speaker technology uses proprietary technology of Dolby Laboratories to create a virtual surround sound field using only two speakers for the front channels, allowing the user to experience sound as if surround speakers were actually being used.

Features of Dolby Virtual Speaker sound

Accurate surround sound field positioning
The virtual surround speakers are positioned at 105° to the left and 105° to the right.
Multi-channel programs played according to the producer's intentions
Sound set at the rear left is heard from the rear left.
Stereo programs played in surround
The Dolby Pro Logic Ⅱ circuit is used together with the Dolby Virtual Speaker circuitry to create a rich virtual surround sound field with stereo programs as well.
Selecting the listening mode
Two listening modes are provided: Reference and Wide.

Reference mode　　Wide mode

□ : 2 front channels
(( )) : Virtual sound field created with the Dolby Virtual Speaker mode

Surround Modes and Parameters

Surround Mode DVS: Dolby Virtual Speaker DHP: Dolby Headphone (H/P only)		Presence/absence of signals and controllability in the various modes							
		Channel output		Input signal per input source					
		FRONT L/R	SUB-WOOFER	DVD / AUX1					AUX1, 2 / TUNER / iPod / Portable
				DOLBY DIGITAL		DTS		PCM	ANALOG
				2-channel	Multi channel	2-channel	Multi channel	2-channel	2-channel
DVS	REFERENCE	○	○	● PLII	○	● PLII	○	● PLII	● PLII
	WIDE	○	○	● PLII	○	● PLII	○	● PLII	● PLII
DHP	DOLBY H/P	×	×	● PLII	○	● PLII	○	● PLII	● PLII
	BYPASS	×	×	○	○ D.MIX	○	○ D.MIX	○	○
STEREO		○	○	○	○ D.MIX	○	○ D.MIX	○	○
ROCK ARENA		○	○	○	○	○	○	○	○
JAZZ CLUB		○	○	○	○	○	○	○	○

Surround Mode		Source	Surround parameter (default)			TONE CONTROL
			Cinema/ Music	D.COMP	LFE	
				DOLBY DIGITAL/DTS only		
DVS	REFERENCE		×	○ (OFF)	○ (0dB)	○ (OFF)
	WIDE		×	○ (OFF)	○ (0dB)	○ (OFF)
DHP	DOLBY H/P	Multich	×	○ (OFF)	○ (0dB)	○ (OFF)
		2ch	○ (CINEMA)	○ (OFF)	○ (0dB)	○ (OFF)
	BYPASS		×	○ (OFF)	○ (0dB)	○ (OFF)
STEREO			×	○ (OFF)	○ (0dB)	○ (OFF)
ROCK ARENA			×	○ (OFF)	○ (0dB)	○ (OFF)
JAZZ CLUB			×	○ (OFF)	○ (0dB)	○ (OFF)

○ : Signal present or controllable.
● : Can be selected with 2-channel decode mode.
× : No signal or not controllable.
D.MIX : Compatible with down-mixing.
PLII : Compatible with PLII processing.

Video output table

	OUTPUT		VIDEO	S-video	Component		HDMI
					480i/576i	480p/576p	
INPUT	DVD/CD	Interlaced	○	○	○	×	×
		Progressive	×	×	×	○	×
		HDMI	○	○	×	×	○
	TUNER		×	×	×	×	×
	AUX1	VIDEO	○	×	×	×	×
		S-video	×	○	×	×	×
	AUX2	VIDEO	○	×	×	×	×
		S-video	×	○	×	×	×
	Front in		×	×	×	×	×
	iPod		○	○	×	×	×

Progressive Scan Circuit "DCDi™"

"DCDi™" is trademark of Faroodja, a division of Genesis Microchip Inc.
The S-102 is equipped with a high precision Progressive Scan circuit "DCDi™" allowing it to reproduce movies and other images on DVDs with a quality near that of the original.

AL24 Processing (Stereo mode only)

AL24 Processing has inherited the technology of the original ALPHA Processing that was used in DENON's highly-successful reference-class audio components.
AL24 Processing further reduces quantization distortion and represents the ultimate analog waveform reproduction technology designed to support the higher numbers of bits and higher sampling.
AL24 Processing senses the nature of the digital data being input and interpolates the data so that it faithfully replicates the original analog waveform. AL24 processing operates when CD, MP3 or WMA data is inputted.

HDCD®
(High Definition Compatible Digital®)
(Stereo mode only)

HDCD® is an encoding/decoding technology that greatly reduces the distortion that occurs upon digital recording while maintaining compatibility with the conventional CD format, thus expanding the dynamic range and achieving a high resolution.
Conventional CDs and HDCD compatible CDs are identified automatically to select the optimum digital processing.

HDCD®, HDCD®, High Definition Compatible Digital® and Microsoft® are either registered trademarks or trademarks of Microsoft Corporation, Inc. in the United States and/or other countries. HDCD system manufactured under license from Microsoft Corporation, Inc. This product is covered by one or more of the following: In the USA: 5,479,168, 5,638,074, 5,640,161, 5,808,574, 5,838,274, 5,854,600, 5,864,311, 5,872,531, and in Australia: 669114. Other patents pending.

Audyssey Dynamic EQ.

Audyssey Dynamic EQ. is a technology that automatically corrects the tonal balance of an audio system when the volume is changed. It is based on psychoacoustic research that better matches to human perception than other loudness compensation that was used before. The tonal balance is adjusted continuously with variation in both program material and volume setting.

Audyssey BassXT

Audyssey BassXT is a solution to extend bass performance to lower frequencies without increasing cabinet size, driver size or weight. BassXT actively monitors the incoming low frequency signal and drives subwoofers to their maximum capability at all volumes, thereby producing deeper bass at all volume levels. This allows the subwoofer to play low bass content when it can and protects it only for the few times when it can't. It is not like simple bass boost or tone control as the system is fully customized for each speaker design by DSP processing and works in real time.

Manufactured under license from Audyssey Laboratories, Inc. U.S. and foreign patents pending.
Audyssey BassXT™ and Audyssey Dynamic EQ™ are trademarks of Audyssey Laboratories, Inc.

Troubleshooting

If a problem should arise, first check the following:
1. Are the connections correct?
2. Is the set being operated as described in the owner's manual?
3. Are the other components operating properly?
If this unit does not operate properly, check the items listed in the table below. Should the problem persist, there may be a malfunction.
In this case, disconnect the power immediately and contact your store of purchase.

【General】

Symptom	Cause	Countermeasure	Page
Display not lit and sound not produced when power switch set to on.	• Power cord not plugged in securely.	• Check the insertion of the power cord plug.	10
Display lit but sound not produced.	• Speaker cables not securely connected.	• Connect securely.	10
	• Device you want to play and set input source do not match.	• Select an appropriate input source.	20
	• Volume control set to minimum.	• Turn volume up to suitable level.	20
	• MUTING is on.	• Switch off MUTING.	31
	• Digital signals not input Digital input selected.	• Input digital signals or select input terminal to which digital signals are being input.	12
Monitor does not display an image.	• Connections between the video output terminal of this unit and the input connector of the monitor are incomplete.	• Check whether the connections are correct.	11
	• The input setting of the monitor TV is different.	• Set the input switching of the TV to the terminal to which the video input is connected.	12
When the subwoofer indicator has lit.	• The subwoofer and main unit are not properly connected with the system cable.	• Check whether or not the cable is properly connected. If the indicator lights even though the cable is properly connected, there may be a malfunction.	10
Power turns off suddenly and power indicator flashes red.	• Protection circuit activated due to rise of internal temperature.	• Turn off the power, wait for the set to fully cool down, then turn the power back on.	10
		• Place the set in a well-ventilated place.	10
	• Core wires of two speakers are touching each other or a core wire is sticking out of the terminal and touching the set's rear panel, activating the protection circuit.	• First unplug the power cord, then twist the core wires tightly or terminate the speaker cables, then reconnect.	9, 10
	• Set is damaged.	• Turn off the power and contact a DENON service center.	–

【Remote Control Unit】

Symptom	Cause	Countermeasure	Page
Set does not work properly when remote control unit operated.	• Batteries are worn.	• Replace with new batteries.	5
	• You are operating outside of the specified range.	• Operate within the specified range.	5
	• Obstacle between main unit and remote control unit.	• Remove the obstacle.	5
	• The batteries are not inserted in the proper direction, as indicated by the polarity marks in the battery compartment.	• Insert the batteries in the proper direction, following the polarity marks in the battery compartment.	5
	• The set's remote control sensor is exposed to strong light (direct sunlight, inverter type fluorescent bulb light, etc.).	• Move the set to a place in which the remote control sensor will not be exposed to strong light.	5
	• **SOURCE CONTROL** switch position is different.	• Set the **SOURCE CONTROL** switch for the device you wish to use.	8

【DVD】

Symptom	Countermeasure	Page
Playback does not start when ► button is pressed. Playback stops immediately.	• Is there condensation on the disc or player ? (Let stand for 1 or 2 hours.) • Discs other than DVDs and music CDs cannot be played. • Disc is dirty. Wipe off the dirt.	– 4 5
Picture is disturbed during the search operation.	• Some disturbance is normal.	–
Buttons do not operate.	• Some operations are disabled for some discs.	–
No subtitles are displayed.	• Subtitles are not displayed for DVDs not containing subtitles. • Subtitles are turned off. Turn the subtitles setting on.	– 15
Audio (or subtitle) language does not switch.	• The audio (or subtitle) language does not switch for discs which do not include multiple audio (or subtitle) languages. • For some discs the audio (or subtitle) language cannot be switched when the operation to switch it is performed, but can be switched on the menu screens.	– –
Angle does not switch.	• The angle cannot be switched for DVDs which do not contain multiple angles. In some cases multiple angles are only recorded for specific scenes.	–
Playback does not start when the title is selected.	• Check the "RATINGS" setting.	18
The password for rating level has been forgotten. Reset all the DVD setting to Factory Preset.	• Initialize using the procedure described at "Resetting the Microprocessor".	31
The disc is not played with the audio or subtitle language set as the default setting.	• The disc does not play with the selected audio or subtitle language if that audio or subtitle language is not included on that DVD.	–
Picture is not displayed in 4:3 (or 16:9).	• At the menu's "TV ASPECT" setting, select "4:3LB/4:3PS/WIDE (16:9)" and set according to the TV you are using.	16
Menu screen messages for the desired language do not display.	• Check the default setting for the disc language's menu language.	15

【Audio】

Symptom	Cause	Countermeasure	Page
No sound is output from the monitor connected with HDMI connections.	• HDMI audio signal output destination setting is wrong.	• Set to "VIDEO SETUP" – "HDMI SETUP" – "HDMI AUDIO OUT"– "ON".	16

【Tuner】

Symptom	Cause	Countermeasure	Page
Continuous noise is heard when receiving FM programs	• Antenna cable is not properly connected.	• Connect the antenna cable properly. • Connect an outdoor antenna.	13
Hissing or continuous noise is heard when receiving AM programs	• This may be noise from a TV or interference from a radio station.	• Turn off the TV. • Change the position and direction of the AM loop antenna.	3

【iPod】

Symptom	Cause	Countermeasure	Page
iPod cannot be played.	• The input source assigned to "iPod Assign" is not selected. • Cable is not properly connected. • Control Dock for iPod's AC adapter is not connected to power outlet.	• Switch to the input source assigned at "iPod". • Reconnect. • Plug the Control Dock for iPod's AC adapter into a power outlet.	29 12 –
iPod slide show is not output to the TV.	–	• Set the iPod slide show correctly. See your iPod user's manual for more details on how to operate.	–

【Video】

Symptom	Cause	Countermeasure	Page
The on-screen display does not appear.	• The format of the TV (NTSC or PAL) do not match.	• Match the format of the TV.	16
No picture appears.	• The connections between the S-102 and monitor are faulty. • The monitor's input setting is wrong.	• Check the connections. • Set properly.	11 –
No picture appears with HDMI connections.	• The connections to the HDMI connectors are faulty. • The monitor is not compatible with copyright protection (HDCP).	• Check the connections. • Connect a monitor that is compatible with copyright protection (HDCP).	11 11
DVDs cannot be copied on a VCR.	–	• This is not a malfunction. Most movie software includes copy prevention signals and cannot be copied.	–

Specifications

❑ Audio section

- **Analog**

Input sensitivity / Input impedance: 140 mV/47 kΩ/kohms

❑ Tuner section

Reception frequency range:	FM: 87.50 MHz ~ 107.90 MHz	AM: 530 kHz to 1710 kHz
Receiving sensitivity:	FM: 1.5 µV/75 Ω/ohms	AM: 20 µV
FM stereo separation:	35 dB (1 kHz)	

❑ Video section

- **Standard video connectors**

Input / output level and impedance: 1 Vp-p, 75 Ω/ohms

- **S-Video connectors**

Input / output level and impedance: Y (brightness) signal — 1 Vp-p, 75 Ω/ohms
C (color) signal — 0.286 Vp-p, 75 Ω/ohms

- **Color component video connector**

Input / output level and impedance: Y (brightness) signal — 1 Vp-p, 75 Ω/ohms
P_B / C_B signal — 0.7 Vp-p, 75 Ω/ohms
P_R / C_R signal — 0.7 Vp-p, 75 Ω/ohms

Pin connector : 1 set/S-Video connector : 1 set/
Component video connector : 1 set

❑ DVD section

Signal format: NTSC/PAL

Supported discs:
(1) DVD-VIDEO discs
12 cm single side 1 layer, 12 cm single side 2 layers,
12 cm both sides 2 layers (single side 1 layer),
8 cm single side 1 layer, 8 cm single side 2 layers,
8 cm both sides 2 layers (single side 1 layer)
(2) Compact Disc (CD-DA)
12 cm discs, 8 cm discs

❑ Clock/Timer section

Clock method: Power line frequency synchronized method

Timer: Everyday/Once timer: One system each
Sleep timer: 120 minutes, maximum

❑ General

Power supply:	120 V AC, 60 Hz
Power consumption:	51 W 0.3 W (standby)
Maximum external dimensions:	380 (W) x 93 (H) x 293 (D) mm (14-61/64″ x 3-21/32″ x 11-17/32″) (ADV-S102) (including system cable)
Weight:	3.8 kg (8 lbs 6 oz) (ADV-S102)

❑ Remote control unit (RC-1073)

Remote control method:	IR pulse method
Power supply:	R6/AA Type (two batteries)
Maximum external dimensions:	52 (W) x 243 (H) x 19 (D) mm (2-3/64″ x 9-9/16″ x 13/16″)
Weight:	175 g (Approx. 6 oz) (including batteries)

❑ Speakers

• **Speaker system**	SC-S102
Type:	2-way, 2-speakers, Closed box / Low-leakage-flux 8 cm cone bass-mid x 1 / 2.5 cm high range x 1
Maximum external dimensions:	103 (W) x 258 (H) x 76 (D) mm (4-3/64″ x 10-5/32″ x 2-63/64″)
Weight:	2.0 kg (4 lbs 14 oz) (per unit)
• **Subwoofer**	DSW-S102
Type:	1-way, 1-speaker, Reflex box / Low-leakage-flux / Built-in amplifier 16 cm cone x 1
Maximum external dimensions:	212 (W) x 378 (H) x 408 (D) mm (8-11/32″ x 14-7/8″ x 16-1/16″) (including foot)
Weight:	10.5 kg (23 lbs 2 oz) (including base)

※ For purposes of improvement, specifications and design are subject to change without notice.

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DVD Player

A	Aiwa	009
D	Denon	014, *[111]
H	Hitachi	010
J	JVC	006, 011
K	Konka	012, 013
M	Magnavox	005
	Mitsubishi	004
P	Panasonic	014
	Philips	005, 015, 016, 017
	Pioneer	003, 008
S	Sanyo	018
	Sony	002, 019, 020
T	Toshiba	001, 021, 022
Z	Zenith	023

VDP

D	Denon	028, 029, 112
M	Magnavox	026
	Mitsubishi	028
P	Panasonic	029, 030
	Philips	026
	Pioneer	028, 031
R	RCA	032
S	Sony	033, 034, 035, 036

VCR

A	Admiral	081
	Aiko	095
	Aiwa	009
	Akai	026, 027, 070, 072, 082, 083, 084
	Alba	055
	Amstrad	009
	ASA	042
	Asha	087
	Audio Dynamic	005, 085
	Audiovox	088
B	Beaumark	087
	Broksonic	086, 093
C	Calix	088
	Candle	006, 087, 088, 089, 090
	Canon	049, 057
	Capehart	025, 055, 056, 071
	Carver	015
	CCE	095
	Citizen	006, 007, 087, 088, 089, 090, 095
	Craig	007, 087, 088, 091, 115
	Curtis Mathes	006, 049, 073, 080, 087, 090, 092
	Cybernex	087
D	Daewoo	025, 055, 059, 074, 089, 093, 095, 096
	Daytron	025, 055
	DBX	005, 085
	Dumont	053
	Dynatech	009
E	Electrohome	001, 088, 097
	Electrophonic	088
	Emerson	001, 009, 017, 027, 086, 088, 089, 092, 093, 097, 100, 101, 102, 103, 104, 117
F	Fisher	009, 028, 031, 053, 054, 091, 099, 115
G	GE	007, 011, 049, 050, 051, 052, 073, 080, 087
	Go Video	047, 048
	Goldstar	000, 006, 012, 062, 088
	Gradiente	094
	Grundig	042
H	Harley Davidson	094
	Harman Kardon	040, 062
	Hi-Q	091
	Hitachi	009, 013, 023, 026, 058, *[108], 109, 110, 111
J	JC Penny	004, 005, 007, 023, 028, 049, 062, 085, 087, 088
	Jensen	013, 026
	JVC	004, 005, 006, 026, 029, 043, 044, 045, 046, 085
K	Kenwood	004, 005, 006, 026, 029, 033, 045, 085, 090
	Kodak	088
L	Lloyd	009, 094
	LXI	088
M	Magnavox	015, 016, 042, 049, 063, 106
	Magnin	087
	Marantz	004, 005, 006, 015, 042, 049, 085, 090
	Marta	088
	MEI	049
	Memorex	009, 033, 049, 053, 060, 081, 087, 088, 091, 094, 115
	Metz	123, 124, 125, 126, 127, 128
	MGA	001, 017, 027, 041, 097
	MGN Technology	087
	Midland	011
	Minolta	013, 023
	Mitsubishi	001, 003, 008, 013, 014, 017, 027, 029, 039, 040, 041, 045, 097
	Motorola	081
	Montgomery Ward	001, 002, 007, 009, 049, 063, 081, 115, 117
	MTC	009, 087, 094
	Multitech	007, 009, 011, 087, 090, 094
N	NAD	038
	NEC	004, 005, 006, 018, 026, 029, 045, 061, 062, 085
	Nikko	088
	Noblex	087
O	Optimus	081, 088
	Optonica	021
P	Panasonic	024, 049, 064, 066, 067, 068, 069, 107
	Perdio	009
	Pentax	009, 013, 023, 058, 090
	Philco	015, 016, 049
	Philips	015, 021, 042, 049, 105
	Pilot	088
	Pioneer	005, 013, 029, 036, 037, 038, 045, 085
	Portland	025, 055, 090
	Proscan	063, 080
	Pulsar	060
Q	Quartz	033
	Quasar	034, 035, 049
R	Radio Shack	001, 002, 021, 081, 087, 088, 091, 094, 097, 098, 115
	Radix	088
	Randex	088
	RCA	007, 013, 019, 023, 058, 063, 064, 065, 073, 080, 082, 087
	Realistic	009, 021, 031, 033, 049, 053, 081, 087, 088, 091, 094, 097, 098
	Ricoh	055
S	Salora	033, 041
	Samsung	007, 011, 051, 059, 070, 083, 087, 089, 113
	Sanky	081
	Sansui	005, 026, 029, 045, 061, 085, 114
	Sanyo	032, 033, 053, 087, 091, 115, 116
	SBR	042
	Scott	017, 020, 086, 089, 093, 117
	Sears	013, 023, 028, 031, 033, 053, 054, 088, 091, 098, 099, 115
	Sentra	055
	Sharp	001, 002, 021, 097
	Shogun	087
	Sony	075, 076, 077, 078, 079, 121, 122
	STS	023
	Sylvania	009, 015, 016, 017, 041, 049, 094
	Symphonic	009, 094
T	Tandy	009
	Tashiko	009, 088
	Tatung	004, 026, 030
	Teac	004, 009, 026, 094
	Technics	024, 049
	Teknika	009, 010, 022, 049, 088, 094
	TMK	087, 092
	Toshiba	013, 017, 020, 041, 059, 089, 098, 099, 117
	Totevision	007, 087, 088
U	Unirech	087
V	Vecrtor Research	005, 062, 085, 089, 090
	Victor	005, 045, 046, 085
	Video Concepts	005, 027, 085, 089, 090
	Videosonic	007, 087
W	Wards	013, 021, 023, 087, 088, 089, 091, 094, 097, 118, 119, 120
X	XR-1000	094
Y	Yamaha	004, 005, 006, 026, 062, 085
Z	Zenith	060, 078, 079

Television

A	Admiral	045, 121
	Adventura	122
	Aiko	054
	Akai	016, 027, 046
	Alleron	062
	A-Mark	007
	Amtron	061
	Anam	006, 007, 036
	Anam National	061, 147
	AOC	003, 007, 033, 038, 039, 047, 048, 049, 133
	Archer	007
	Audiovox	007, 061
B	Bauer	155
	Belcor	047
	Bell & Howell	045, 118
	Bradford	061
	Brockwood	003, 047
C	Candle	003, 030, 031, 032, 038, 047, 049, 050, 122
	Capehart	003
	Celebrity	046
	Circuit City	003
	Citizen	029, 030, 031, 032, 034, 038, 047, 049, 050, 054, 061, 095, 122, 123
	Concerto	031, 047, 049
	Colortyme	003, 047, 049, 135
	Contec	013, 051, 052, 061
	Cony	051, 052, 061
	Craig	004, 061
	Crown	029
	Curtis Mathes	029, 034, 038, 044, 047, 049, 053, 095, 118
D	Daewoo	027, 029, 039, 048, 049, 054, 055, 106, 107, 137
	Daytron	003, 049
	Dimensia	044
	Dixi	007, 015, 027
E	Electroband	046
	Electrohome	029, 056, 057, 058, 147
	Elta	027
	Emerson	029, 051, 059, 060, 061, 062, 118, 123, 124, 139, 148
	Envision	038
	Etron	027
F	Fisher	014, 021, 063, 064, 065, 118
	Formenti	155
	Fortress	012
	Fujitsu	004, 062
	Funai	004, 062
	Futuretech	004
G	GE	020, 036, 037, 040, 044, 058, 066, 088, 119, 120, 125, 147
	Goldstar	000, 015, 029, 031, 039, 048, 051, 056, 057, 067, 068, 069, 116
	Grundy	062
H	Hitachi	029, 031, 051, 052, 070, 111, 112, 113, 124, *[134]
	Hitachi Pay TV	151
I	Infinity	017, 071
J	Janeil	122
	JBL	017, 071
	JC Penny	020, 034, 039, 040, 041, 044, 048, 050, 058, 066, 069, 076, 088, 090, 095, 125, 136, 159
	JCB	046
	JVC	019, 051, 052, 072, 073, 091, 117, 126
K	Kawasho	018, 046
	Kenwood	038, 056, 057
	Kloss	010, 032
	Kloss Novabeam	005, 122, 127, 131
	KTV	074, 123

L	Loewe	071
	Logik	144
	Luxman	031
	LXI	008, 014, 017, 024, 040, 044, 063, 071, 075, 076, 077, 118, 125
M	Magnavox	005, 010, 017, 030, 033, 038, 050, 056, 071, 078, 079, 085, 089, 108, 109, 110, 127, 131, 132, 145
	Marantz	015, 017, 071, 080
	Matsui	027
	Memorex	014, 027, 045, 083, 118, 144
	Metz	160, 161, 162, 163
	MGA	001, 039, 048, 056, 057, 058, 065, 081, 083
	Midland	125
	Minutz	066
	Mitsubishi	001, 016, 039, 048, 056, 057, 058, 065, 081, 082, 083, 105
	Montgomery Ward	011, 020, 144, 145, 146
	Motorola	121, 147
	MTC	031, 034, 039, 048, 095
N	NAD	008, 075, 076, 128
	National	002, 036, 061, 147
	National Quenties	002
	NEC	031, 038, 039, 048, 057, 084, 086, 135, 147
	Nikko	054
	NTC	054
O	Optimus	128
	Optonica	011, 012, 093, 121
	Orion	004, 139
P	Panasonic	002, 009, 017, 036, 037, 071, 141, 143, 147
	Philco	005, 010, 030, 050, 051, 056, 079, 085, 127, 131, 132, 145, 147
	Philips	005, 015, 017, 050, 051, 056, 078, 087, 088, 089, 131, 132, 147
	Pioneer	124, 128, 142
	Portland	054
	Price Club	095
	Proscan	040, 044, 125
	Proton	035, 051, 092, 129
	Pulsar	042
Q	Quasar	036, 037, 074, 141
R	Radio Shack	011, 044, 063, 093, 118
	RCA	040, 044, 125, 130, 137, 151, 152
	Realistic	014, 063, 093, 118
S	Saisho	027
	Samsung	003, 015, 034, 053, 055, 057, 094, 095, 136, 153
	Sansui	139
	Sanyo	013, 014, 021, 022, 063, 064, 081, 096
	SBR	015
	Schneider	015
	Scott	062
	Sears	008, 014, 021, 022, 023, 024, 025, 040, 052, 057, 062, 063, 064, 065, 073, 075, 076, 097, 098, 125, 159
	Sharp	011, 012, 013, 026, 093, 099, 100, 104, 121
	Siemens	013
	Signature	045, 144
	Simpson	050
	Sony	043, 046, 138, 146, 150
	Soundesign	030, 050, 062
	Spectricon	007, 033
	Squareview	004
	Supre-Macy	032, 122
	Supreme	046
	Sylvania	005, 010, 017, 030, 078, 079, 085, 089, 101, 127, 131, 132, 145, 155
	Symphonic	004, 148
T	Tandy	012, 121
	Tatung	036, 124
	Technics	037
	Teknika	001, 030, 032, 034, 052, 054, 078, 083, 095, 144, 156, 157
	Tera	035, 129
	THOMSON	165, 166
	Toshiba	008, 014, 034, 063, 075, 076, 095, 097, 136, 158, 159
U	Universal	020, 066, 088
V	Victor	019, 073, 126
	Video Concepts	016
	Viking	032, 122
W	Wards	005, 045, 066, 078, 085, 088, 089, 093, 102, 103, 131, 132, 148
Z	Zenith	042, 114, 115, 140, 144,149
	Zonda	007

CABLE

A	ABC	006, *[007], 008, 009
	Archer	010, 011
C	Century	011
	Citizen	011
	Colour Voice	012, 013
	Comtronic	014
E	Eastern	015
G	Garrard	011
	Gemini	030, 033, 034
	General Instrument	030, 031, 032
H	Hytex	006
J	Jasco	011
	Jerrold	009, 016, 017, 026, 032
M	Magnavox	018
	Movie Time	019
N	NSC	019
O	Oak	000, 006, 020
P	Panasonic	001, 005
	Philips	011, 012, 013, 018, 021
	Pioneer	002, 003, 022
R	RCA	029
	Regency	015
S	Samsung	014, 023
	Scientific Atlanta	004, 024, 025
	Signal	014
	SL Marx	014
	Starcom	009
	Stargate	014
T	Teleview	014
	Tocom	007, 016
	TV86	019
U	Unika	011
	United Artists	006
	Universal	010, 011
V	Viewstar	018, 019
Z	Zenith	027, 028

Satellite Receiver

A	Alphastar	054
C	Chaparral	035, 036
D	Dishnet	053
	Drake	037, 038
E	Echostar Dish	062, 066
G	GE	048, 055, 056
	General Instruments	039, 040, 041
	Grundig	070, 071, 072, 073
H	Hitachi	058, 059
	Hughes Network	063, 064, 065, 069
J	JVC	057
K	Kathrein	074, 075, 076, 083
M	Magnavox	060
N	Nokia	070, 080, 084, 085, 086
P	Philips	060
	Primestar	051
	Proscan	048, 055, 056
R	RCA	048, 055, 056, 068
	Realistic	042
S	Sierra I	036
	Sierra II	036
	Sierra III	036
	Sony	049, 067
	STS1	043
	STS2	044
	STS3	045
	SRS4	046
T	Technisat	077, 078, 079, 081, 082
	Toshiba	047, 050
U	Uniden	061

CD Player

A	Aiwa	001, 035, 043
B	Burmster	002
C	Carver	003, 035
D	Denon	*[111], 044
E	Emerson	004, 005, 006, 007
F	Fisher	003, 008, 009, 010
J	JVC	018, 019
K	Kenwood	011, 012, 013, 014, 017
M	Magnavox	006, 015, 035
	Marantz	016, 028, 035
	MCS	016, 024
O	Onkyo	025, 027
	Optimus	017, 020, 021, 022, 023
P	Philips	014, 032, 033, 035
	Pioneer	006, 022, 030
S	Sears	006
	Sony	023, 031
T	Teac	002, 009, 028
	Technics	016, 029, 036
W	Wards	035, 037
Y	Yamaha	038, 039, 040, 041
Z	Zenith	042

CD Recorder

D	Denon	*[111], 112
P	Philips	112

MD

D	Denon	113
K	Kenwood	003, 004
O	Onkyo	007
S	Sharp	005
	Sony	006

TAPE

A	Aiwa	001, 002
C	Carver	002
D	Denon	*[111]
H	Harman/Kardon	002, 003
J	JVC	004, 005
K	Kenwood	006
M	Magnavox	002
	Marantz	002
O	Onkyo	016, 018
	Optimus	007, 008
P	Panasonic	012
	Philips	012
	Pioneer	007, 008, 009
S	Sony	013, 014, 015
T	Technics	012
V	Victor	004
W	Wards	007
Y	Yamaha	010, 011

[ ]*: Preset codes set upon shipment from the factory.

: Sie Voreinstellungscodes wurden vor der Auslieferung werkseitig eingestellt.

: Les codes préréglés diffèrent en fonctiom des livraison de l'usine.

: I codici di presettaggio sono impostati in fabbrica prima della consegna.

: Loscódigosvienenpreprogramados de fábrica.

: Vooringestelde codes bij hey verlaten van de fabriek.

: Förinställda koder har ställts in vid transporten från fabriken.

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Códigos de preajuste de DVD
DVD-voorkeuzecodes
Förinställda DVD-koder

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